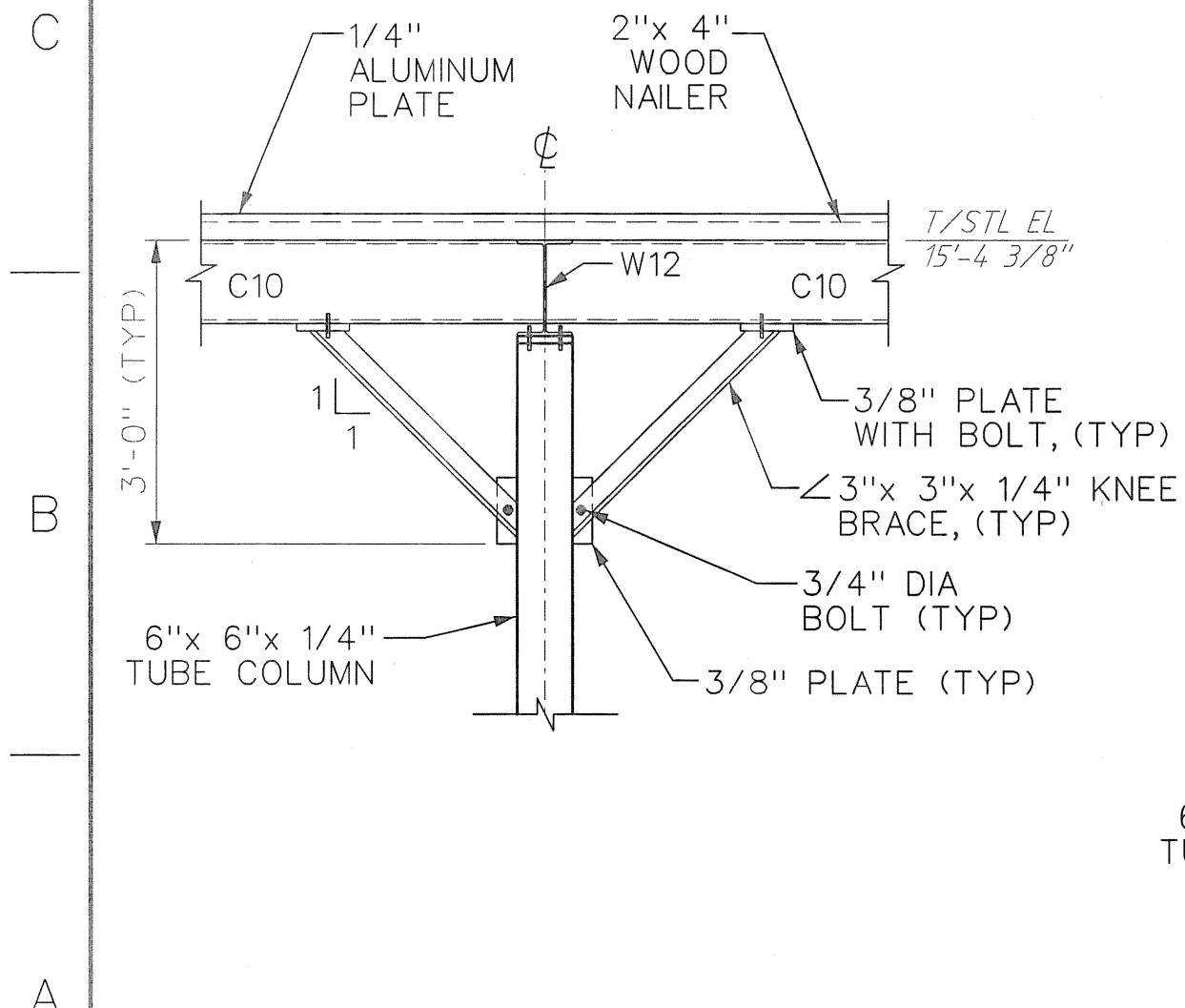
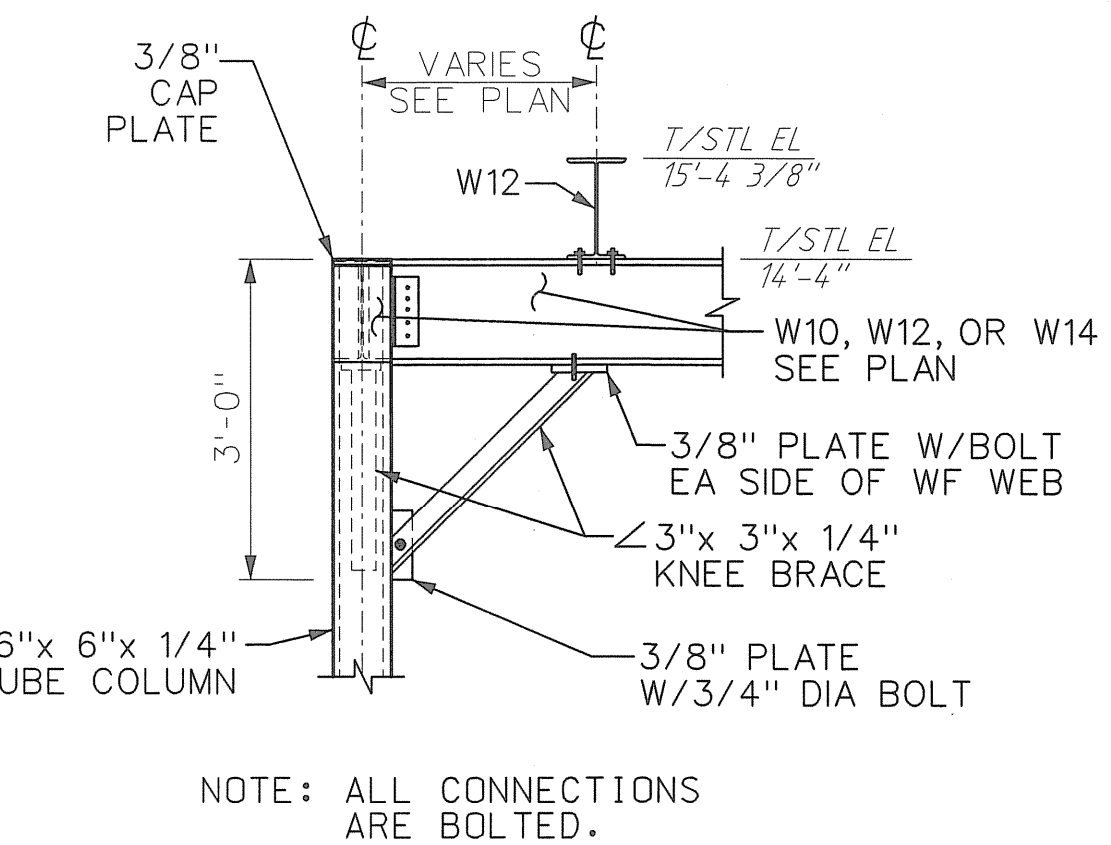


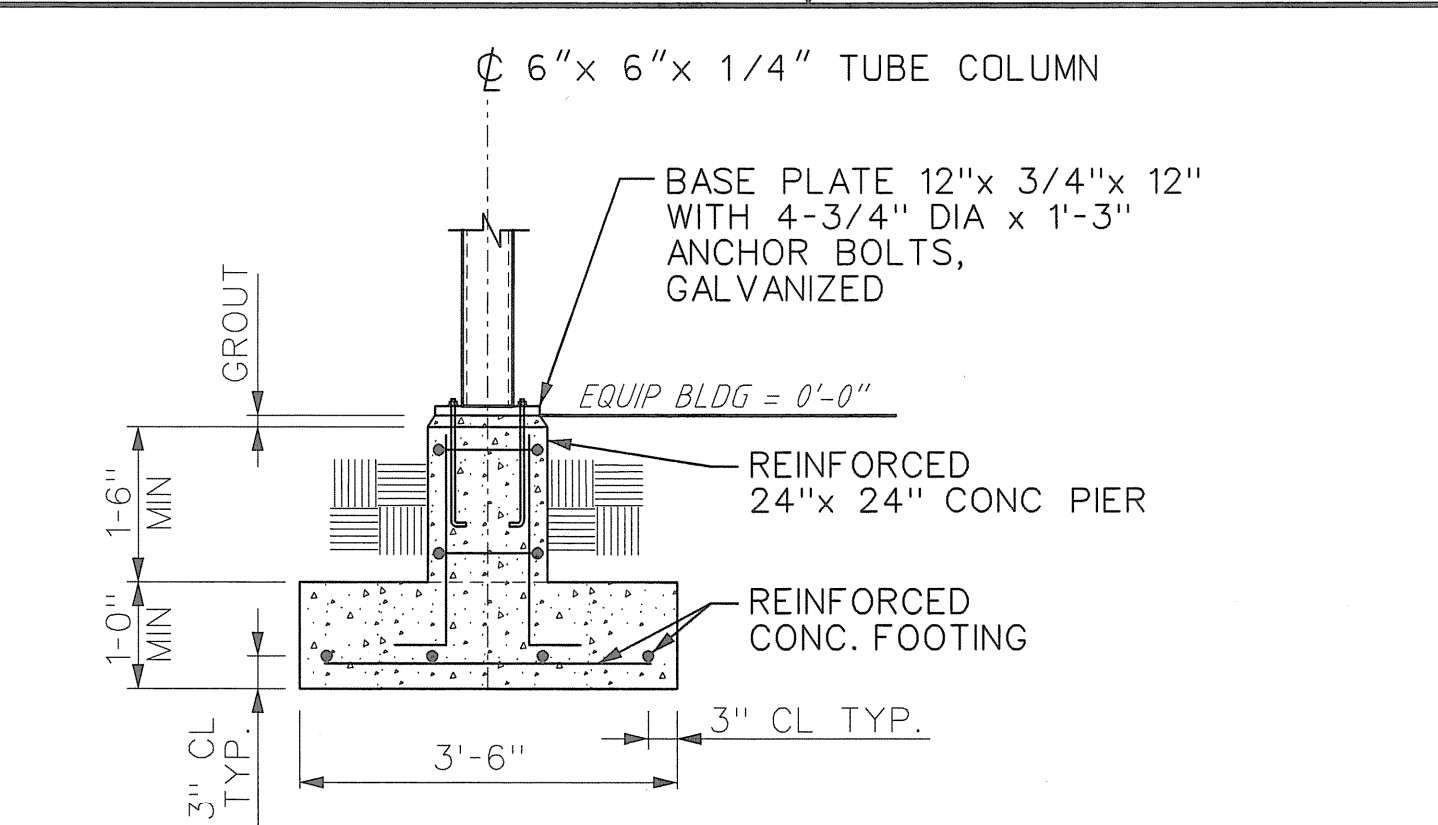
COUNTERPOISE FRAMING PLAN
SCALE: 3/16" = 1'-0"



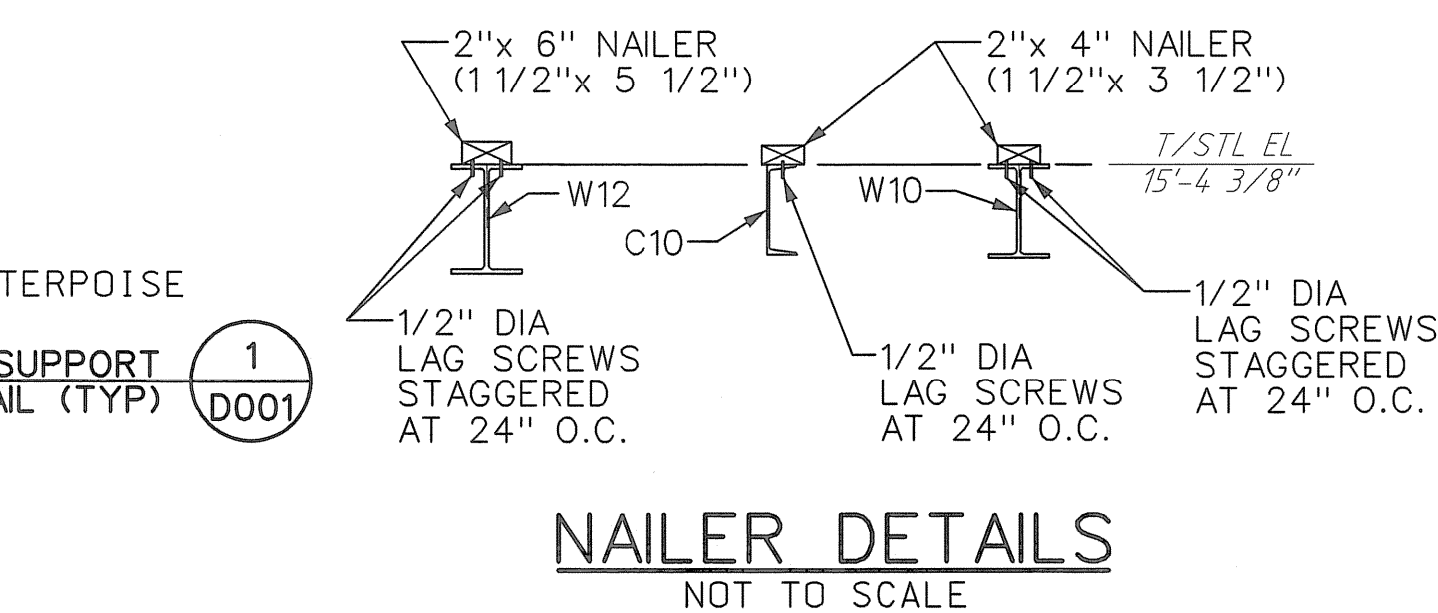
3 TYPICAL SECTION
D001 NOT TO SCALE



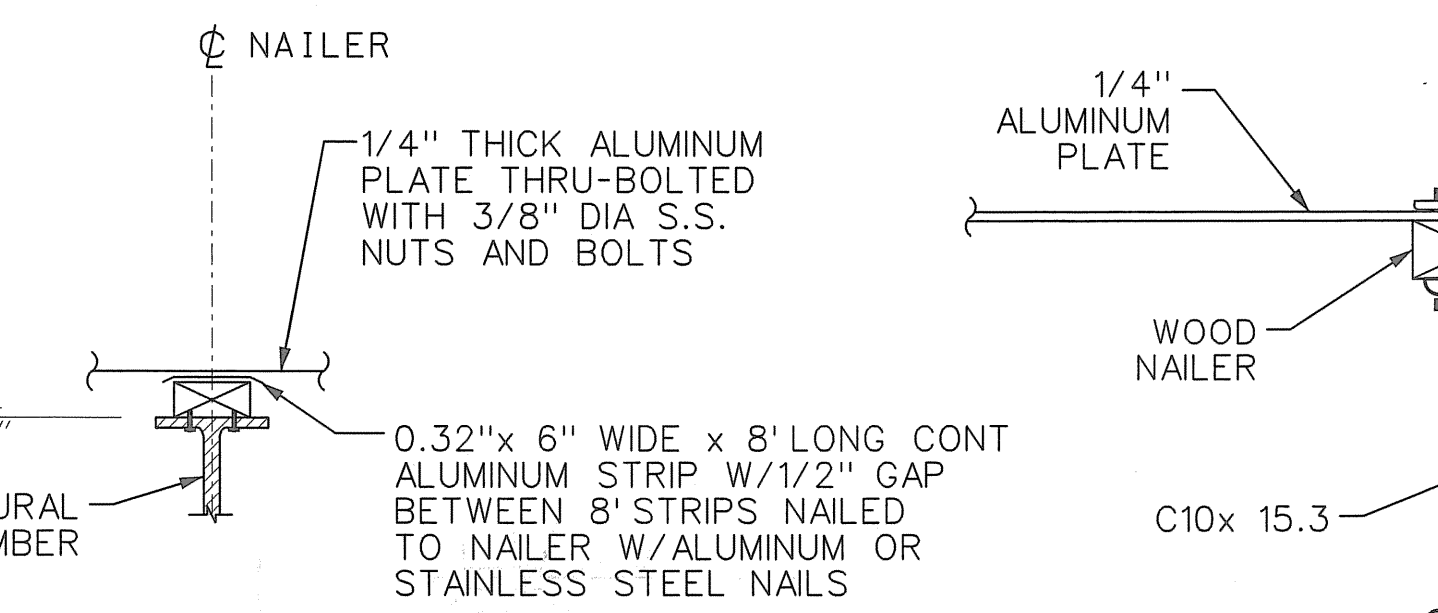
4 TYPICAL SECTION
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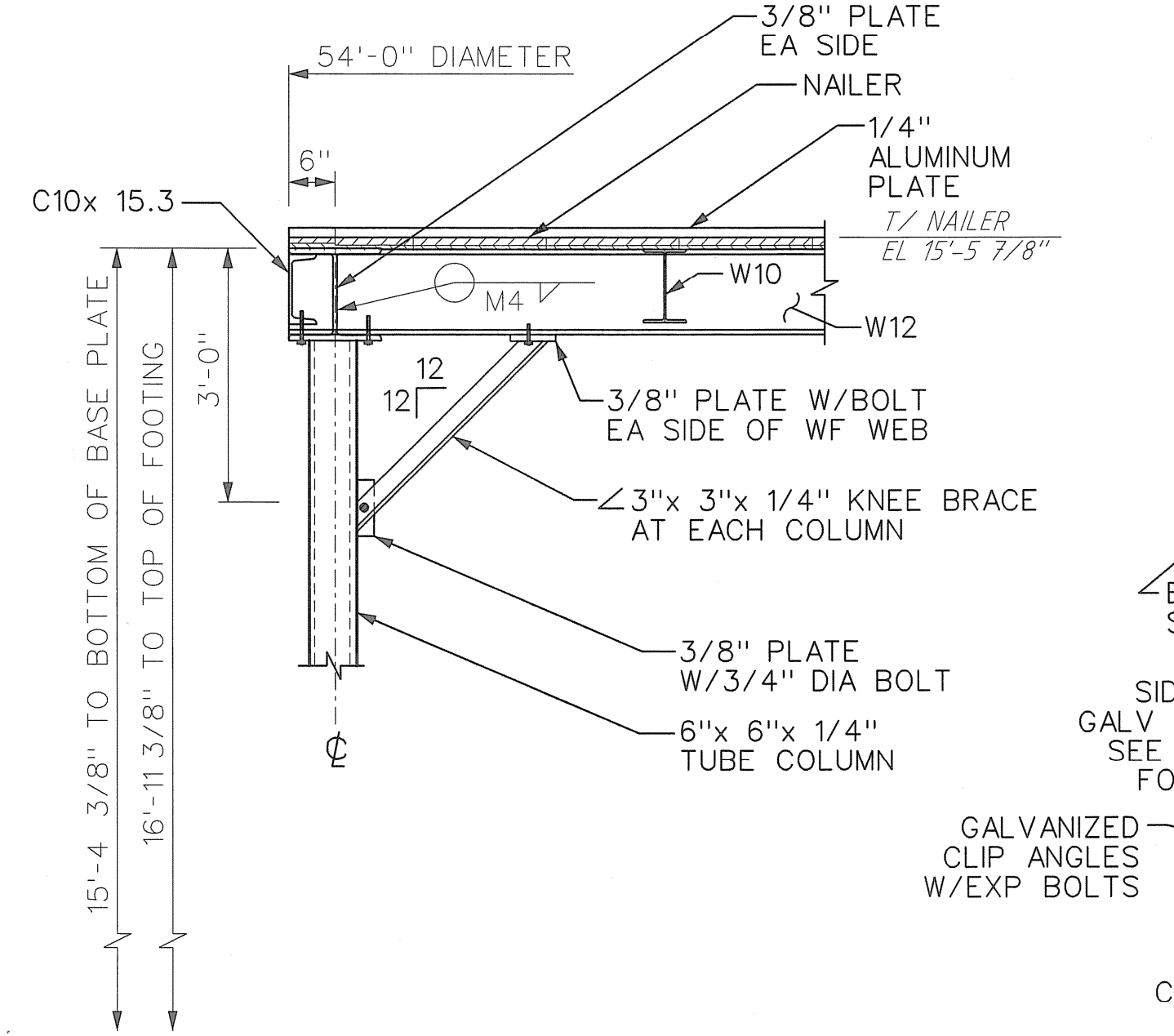
1 TYPICAL COLUMN SUPPORT DETAIL
D001 NOT TO SCALE



NAILER DETAILS
NOT TO SCALE

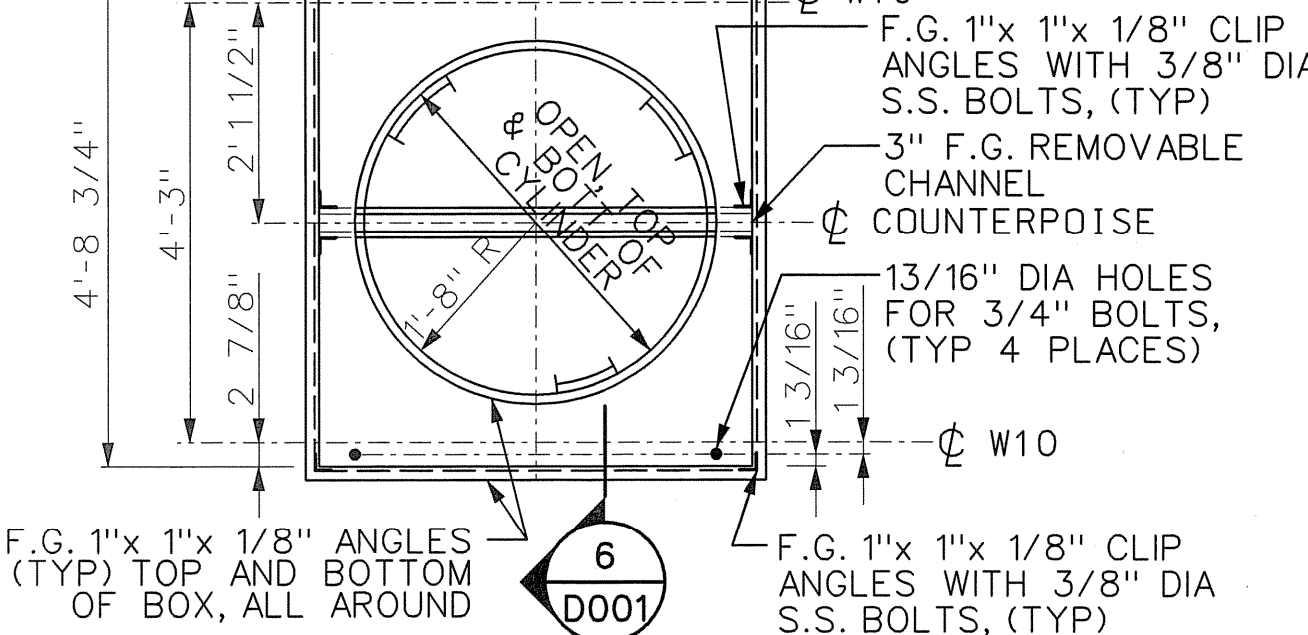


2 DETAIL OF VOR ANTENNA MOUNTING BRACKETS (TYP)
D001 NOT TO SCALE

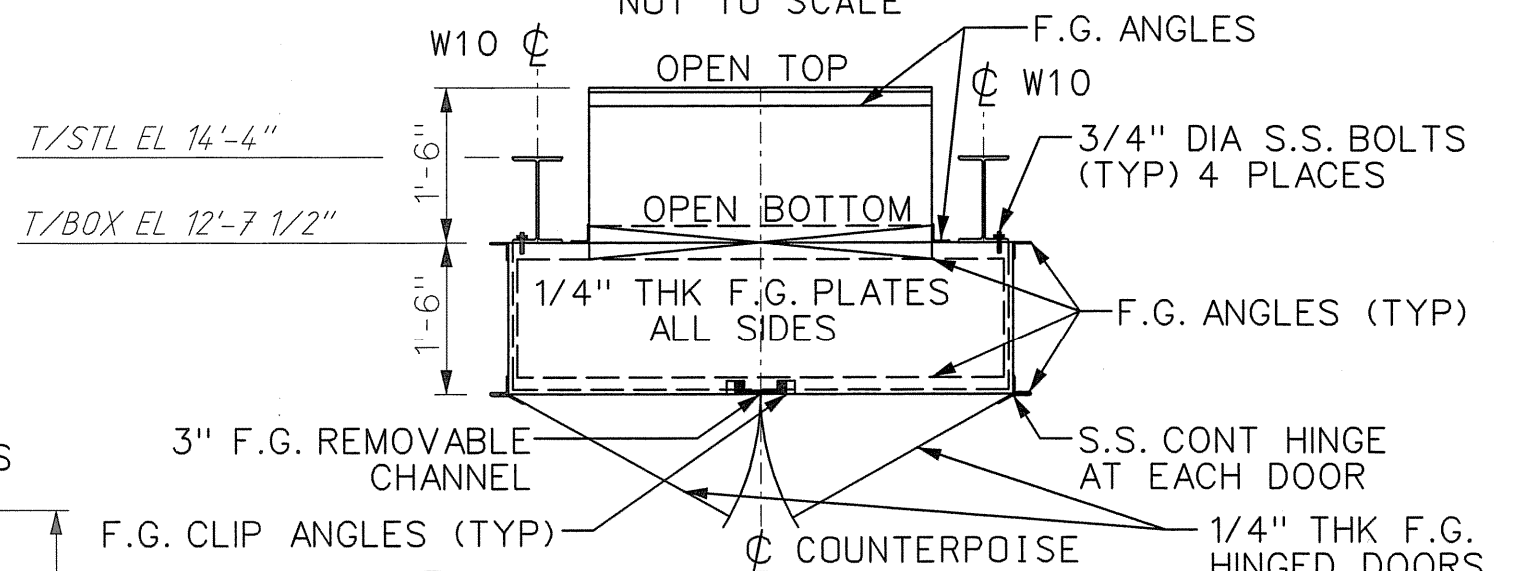


5 TYPICAL SECTION
D001 NOT TO SCALE

- NOTES**
- DEMOLITION SHALL NOT BEGIN BEFORE WRITTEN NOTIFICATION THAT THE FACILITY HAS BEEN TAKEN OUT OF SERVICE BY THE OWNER AND THAT POWER SOURCES HAVE BEEN LOCKED OUT AND TAGGED OUT.
 - CONTRACTOR SHALL REMOVE ALL ITEMS SUPPORTED BY THE STEEL EXCEPT ANTENNAS REMOVED BY OWNER.
 - OBSTRUCTION LIGHT SHALL BE REMOVED AND STORED FOR FUTURE RE-INSTALLATION.
 - TEEPEE SHALL BE REMOVED WITHOUT DAMAGE AND STORED AT AN OWNER DETERMINED LOCATION TO BE RE-INSTALLED. STORE THE SHELTER ON A CONTRACTOR SUPPLIED TEMPORARY PLATFORM. KEEP THE SHELTER LEVEL AND SECURE FROM TIPPING OVER.
 - ALL CABLES EXCEPT GROUND CABLES WILL BE DISCONNECTED AT EACH END BY THE OWNER.
 - CONTRACTOR WILL REMOVE AND DISPOSE OF THE CABLES BETWEEN THE POINTS DISCONNECTED.
 - REMOVE COMPLETELY AND DISCARD THE GROUNDING CABLES ATTACHED TO THE STEEL COLUMNS.
 - REMOVE ALL CONDUIT SUPPORTED BY THE STEEL.
 - REMOVE SIXTEEN (16) VOR MONITOR DETECTOR ANTENNAS (MDA) AND BRACKETS STORE FOR RE-INSTALLATION.
 - REMOVE AND STORE FOR RE-INSTALLATION THE RF BOX AND ALL JUNCTION BOXES.
 - REMOVE THE 1/4" ALUMINUM COUNTERPOISE PLATE WITH MINIMAL DAMAGE.
 - REMOVE THE COOLING DUCT BETWEEN THE FAN AND THE RF BOX.
 - REMOVE AND DISCARD ALL STRUCTURAL STEEL, WOOD NAILERS, AND 3/4" DIA SOLID ROD CROSS BRACING.
 - REMOVE AND STORE THE LADDER FOR RE-INSTALLATION.
 - REMOVE AND DISCARD THE CONCRETE FOUNDATIONS SHOWN IN 1/D001.
 - FOOTING DIMENSIONS AND REINFORCEMENT ARE UNKNOWN.
 - REMOVE 3/4" DIA. RODS IN PANELS AH, BC, DE, AND FG. (SEE DETAIL 4/S002)

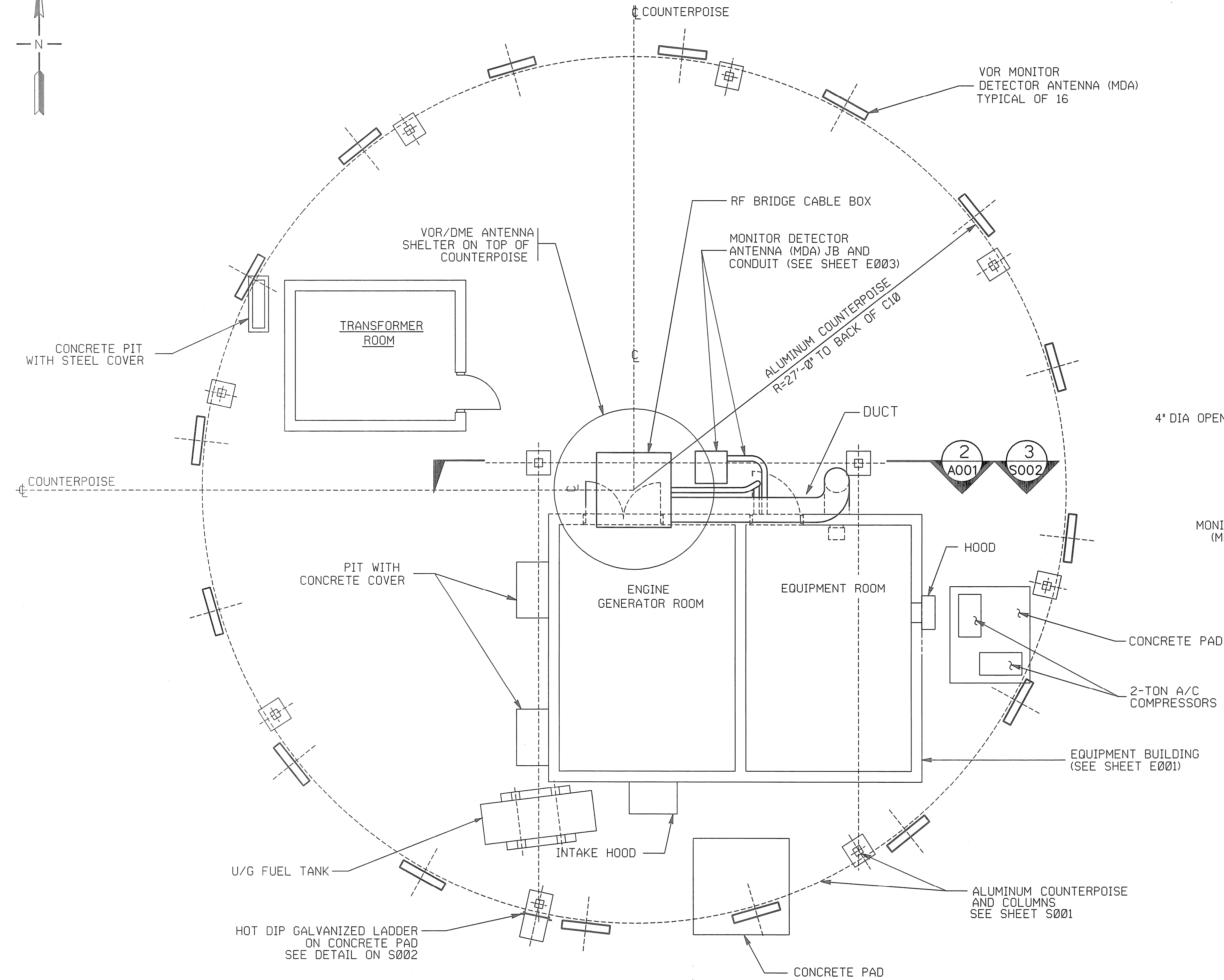
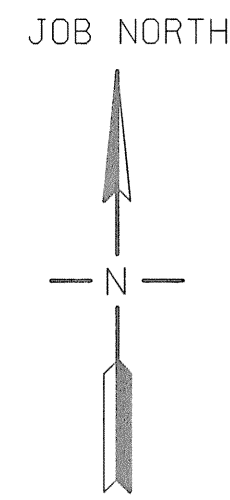


PLAN OF R.F. BOX
NOT TO SCALE



6 R.F. BOX SECTION
D001 NOT TO SCALE

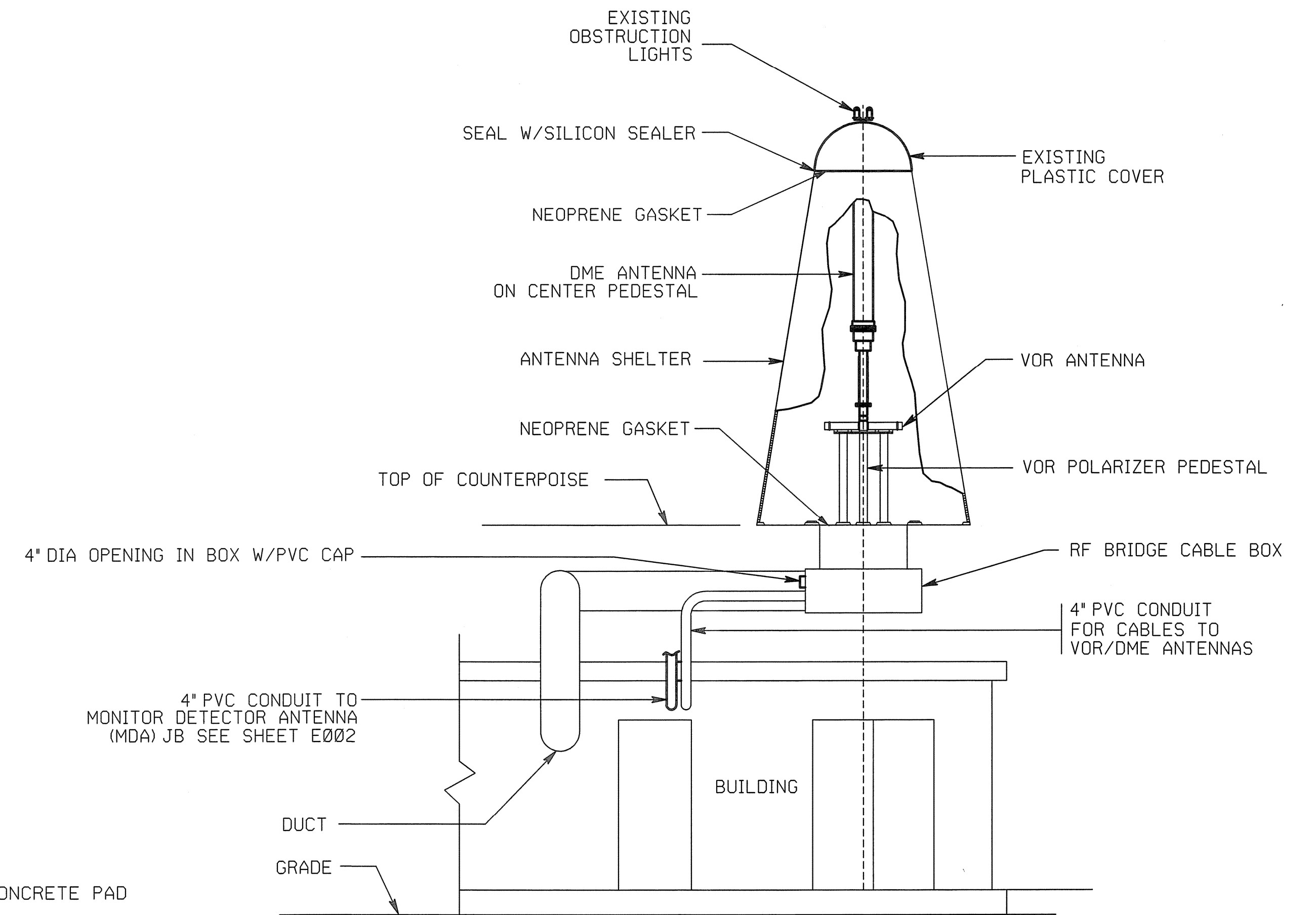
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DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT REMOVAL AND DEMOLITION					
SAINT DAVID BERMUDA INT'L AIRPORT BM					
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	Mark Johnston	Mohd Brato			
PROJECT ENGINEER	DESIGNED	MGR: ENGINEERING - CENTER A			
	MJ	DATE	07/17/2012	JCN	1201875
DRAWN	LMC	ISSUED BY	ENGINEERING SERVICES	DRAWING NO	BDA-1201875-D001
CHECKED		INFRASTRUCTURE			



1 SITE PLAN
A001
4 0 4 8
1/4" = 1'-0"

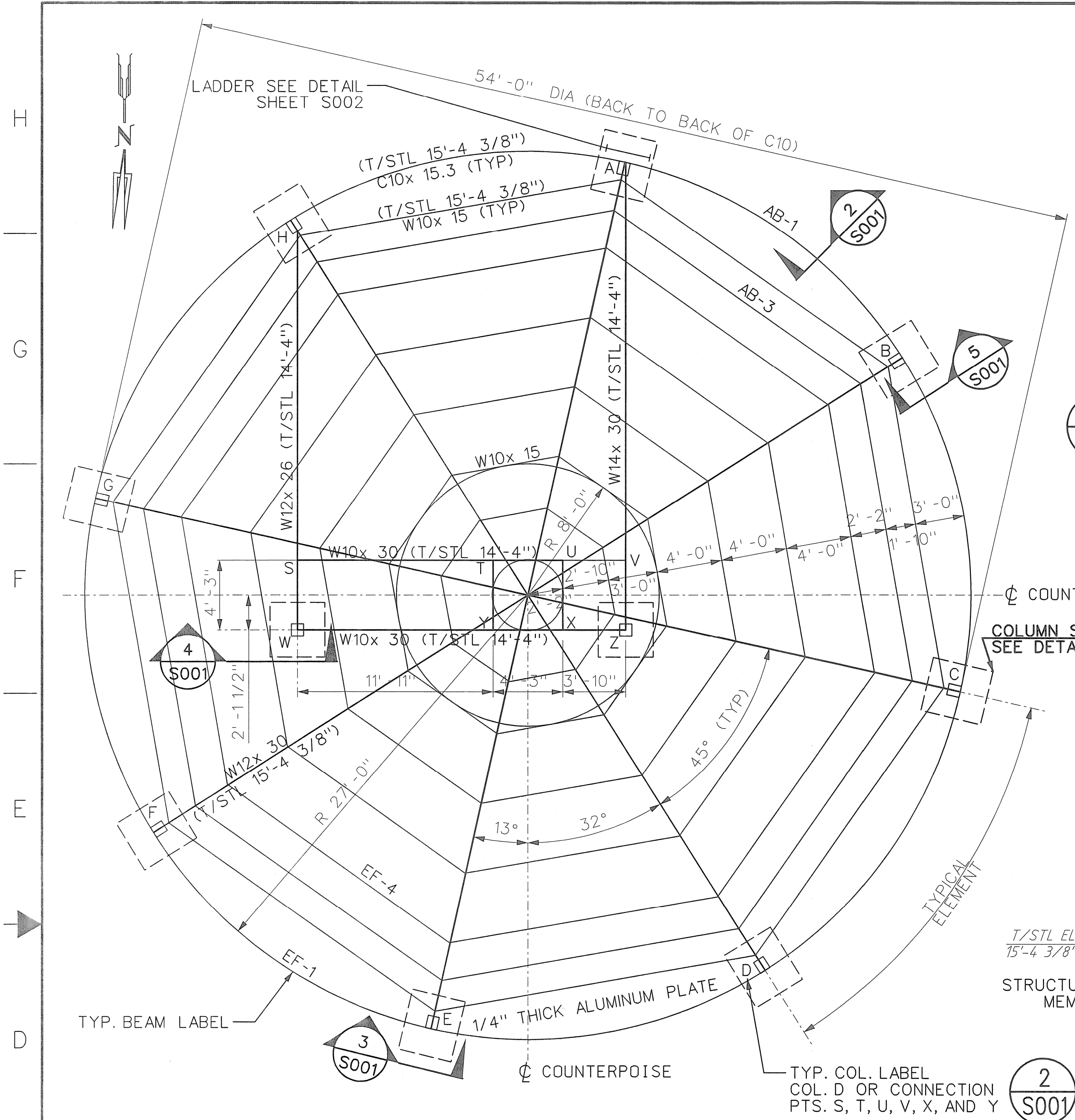
NOTES

- VOR MONITOR DETECTOR ANTENNAS TAKEN FROM STORAGE AND RE-INSTALLED IN THE ORIGINAL POSITIONS.
- ALL MATERIAL AND INSTALLATION FOR THE PROJECT IS TO BE IN ACCORDANCE WITH THESE DRAWINGS THE STATEMENT OF WORK - GENERAL AND SPECIAL PROVISIONS, TECHNICAL SPECIFICATION AND APPENDICES.
- GALVANIZED LADDER TO BE REMOVED FROM STORAGE AND RE-INSTALLED IN ITS ORIGINAL POSITION. USE NEW CLIPS AND EXPANSION BOLTS.
- NEOPRENE GASKET IS 3/8" X 2 1/2" W RUBATEX R425-N HIGH DENSITY NEOPRENE WITH PRESSURE SENSITIVE ADHESIVE (PSA) ON ONE SIDE.
- REPLACE NEOPRENE GASKETS AND SEAL EXTERIOR JOINTS. SEALANT TO BE COMPATABLE WITH GASKET MATERIAL.
- KEEP CRANE, OUTRIGGERS, AND ALL HEAVY EQUIPMENT OFF OF UNDERGROUND TANK AND LINES.

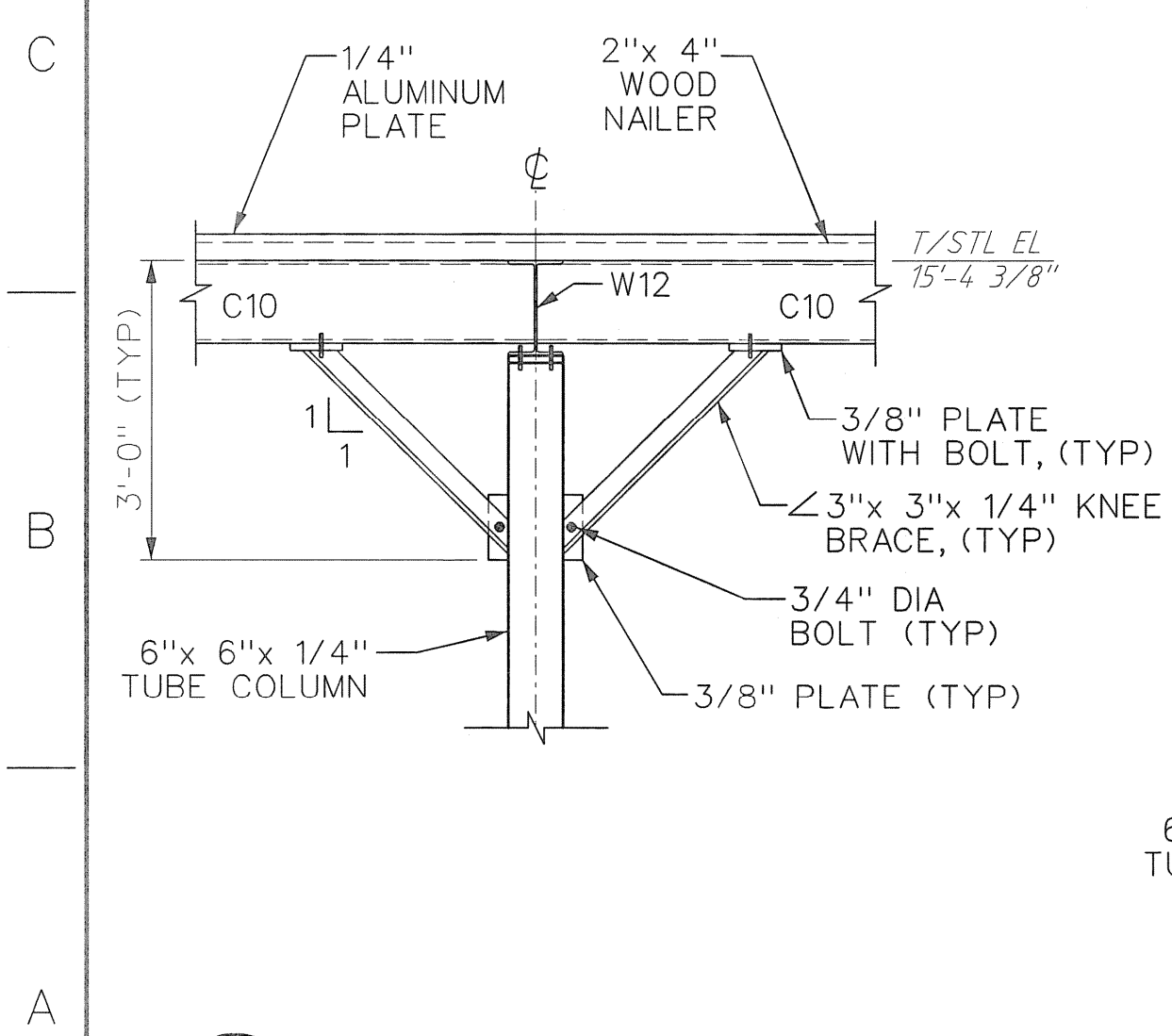


2 VIEW
A001
NOT TO SCALE

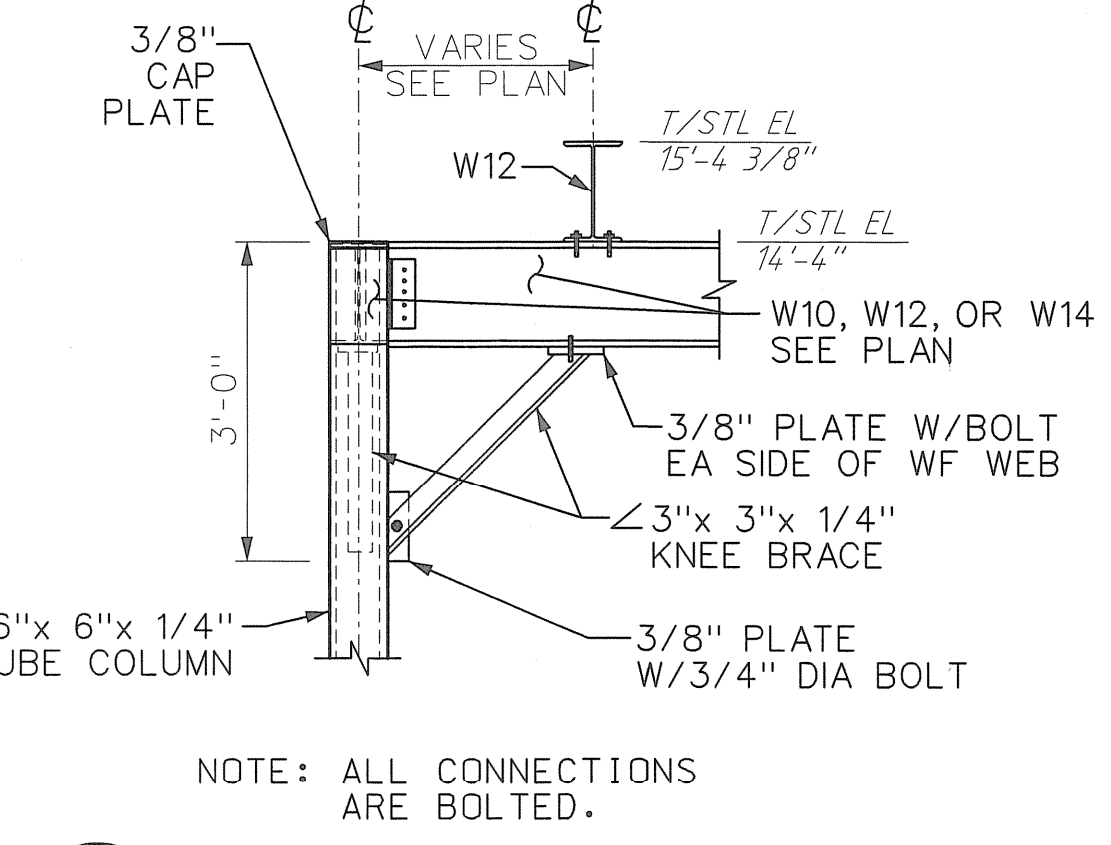
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA					
VOR COUNTERPOISE STRUCTURE REFURBISHMENT SITE PLAN					
SAINT DAVID BERMUDA INT'L AIRPORT BM					
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	Mark Johnston	Mark Johnston			
DESIGNED	MJ	ISSUED BY	MGR: ENGINEERING - CENTER A		
DRAWN	LMC	ENGINEERING SERVICES INFRASTRUCTURE	DATE	07/17/2012	JCN 1201875
CHECKED			DRAWING NO	BDA-1201875-A001	REV



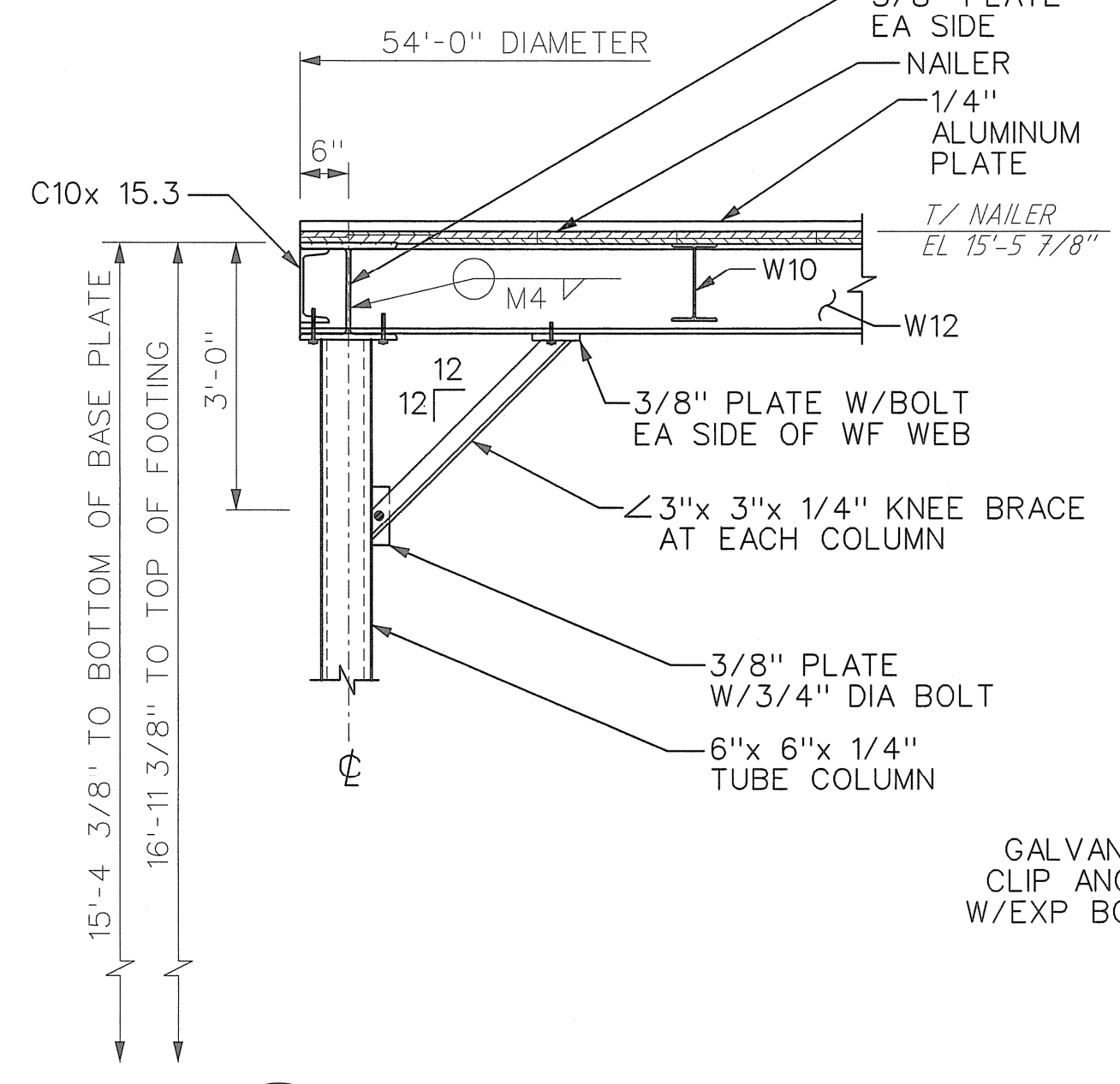
COUNTERPOISE FRAMING PLAN
NOT TO SCALE



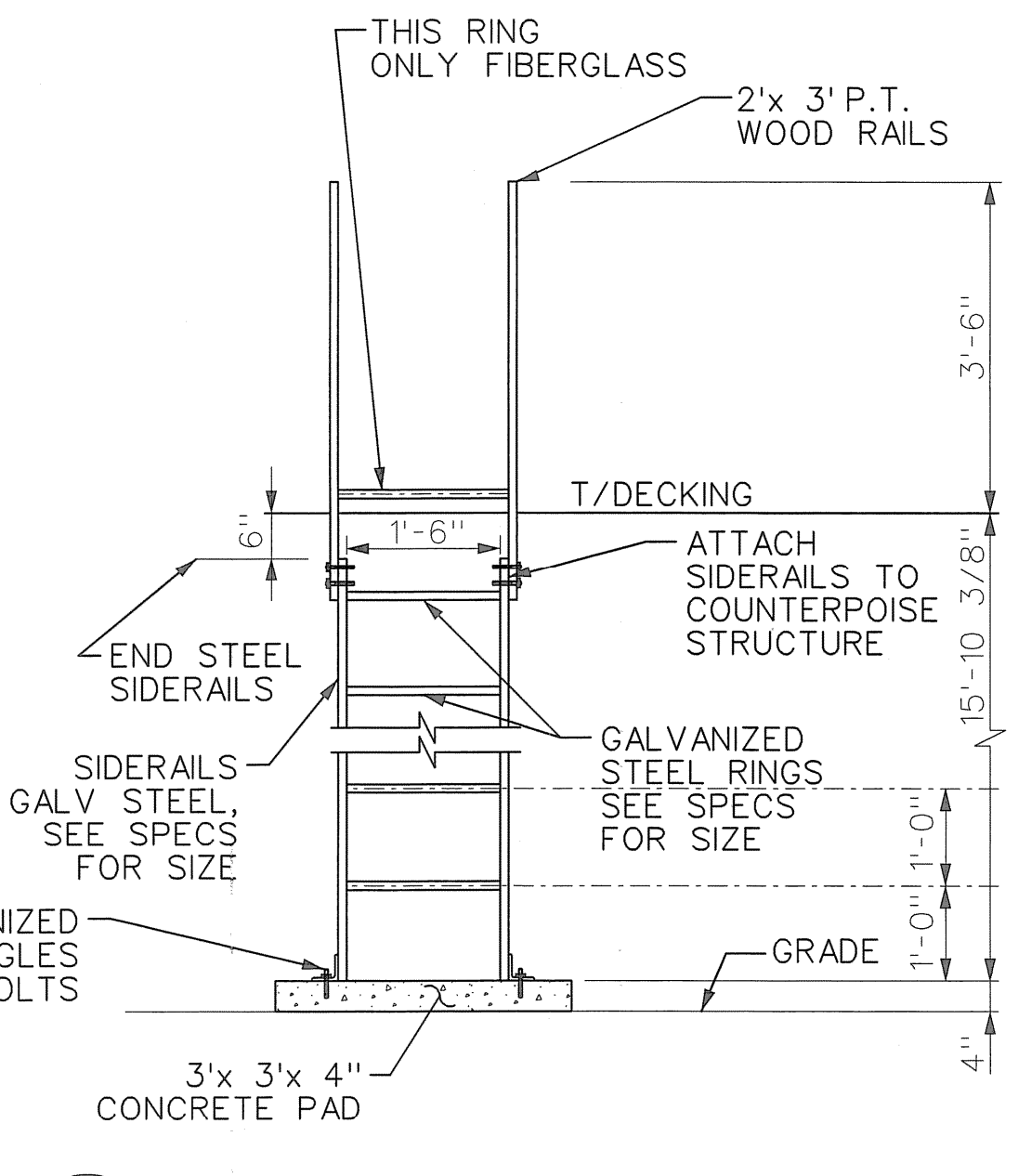
3 TYPICAL SECTION
NOT TO SCALE



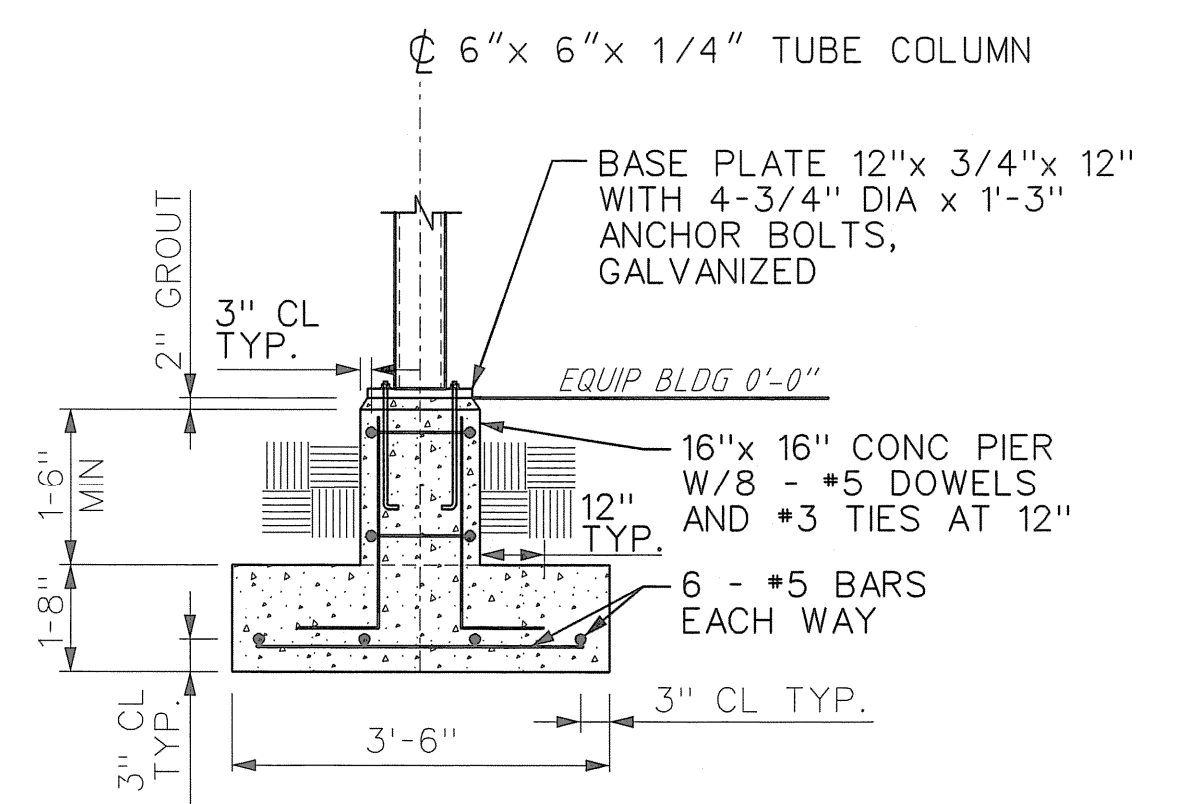
4 TYPICAL SECTION
NOT TO SCALE



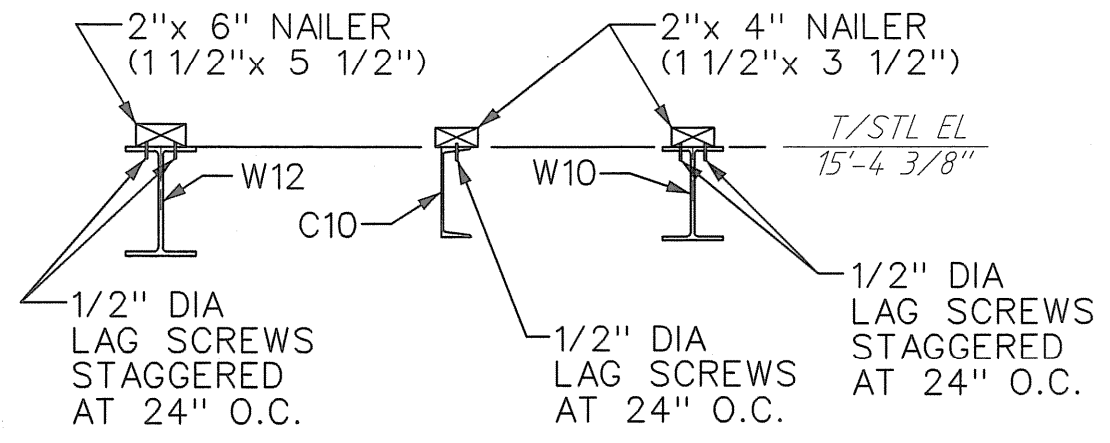
5 TYPICAL SECTION
NOT TO SCALE



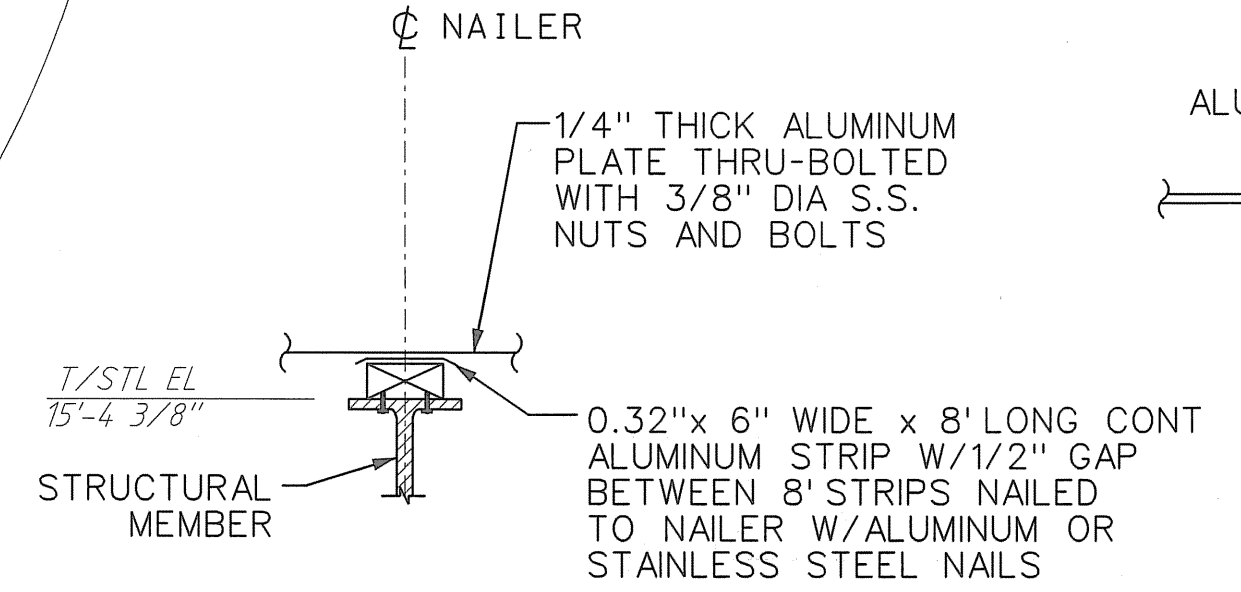
7 LADDER DETAIL
NOT TO SCALE



1 TYPICAL COLUMN SUPPORT DETAIL
NOT TO SCALE



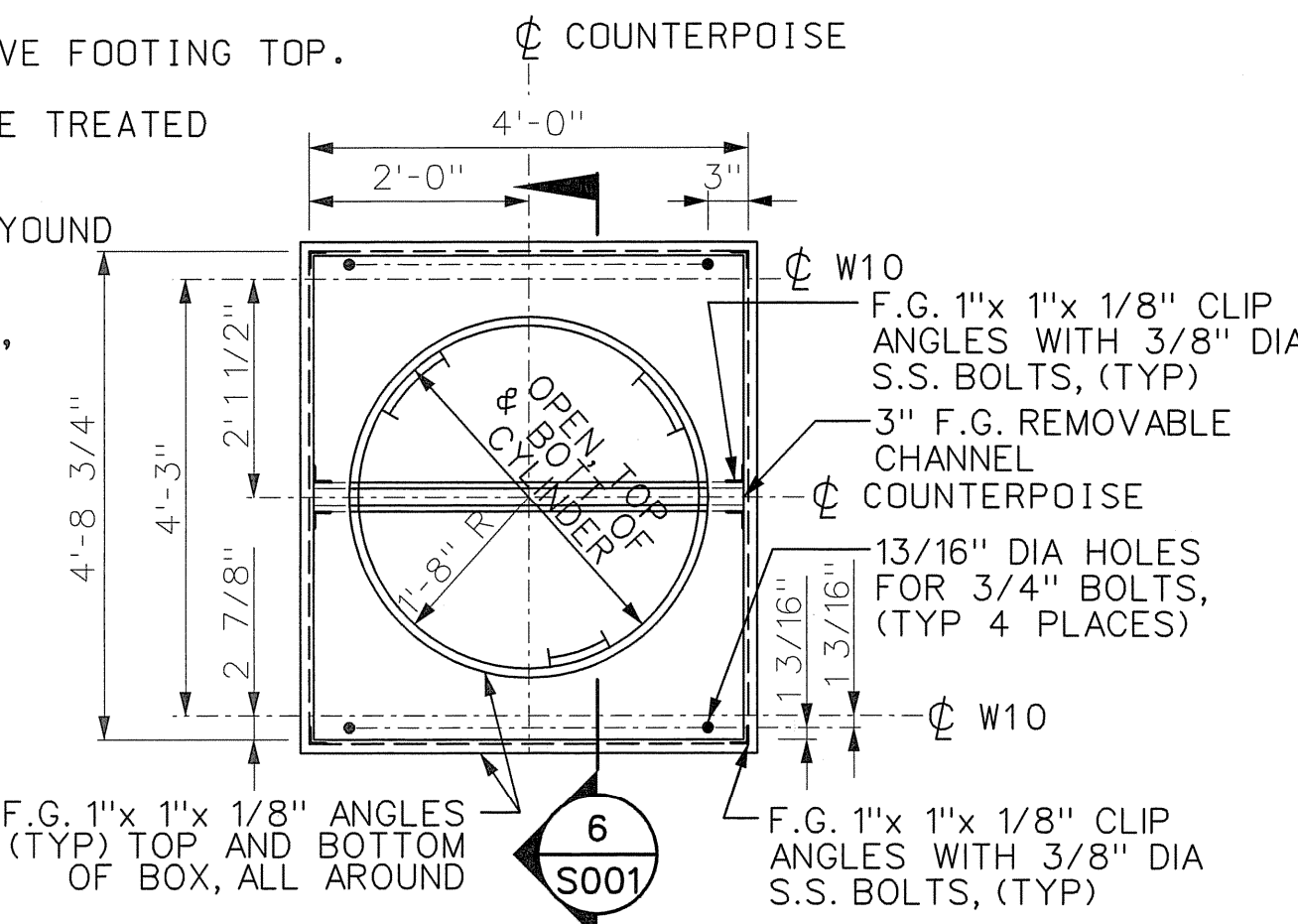
NAILER DETAILS
NOT TO SCALE



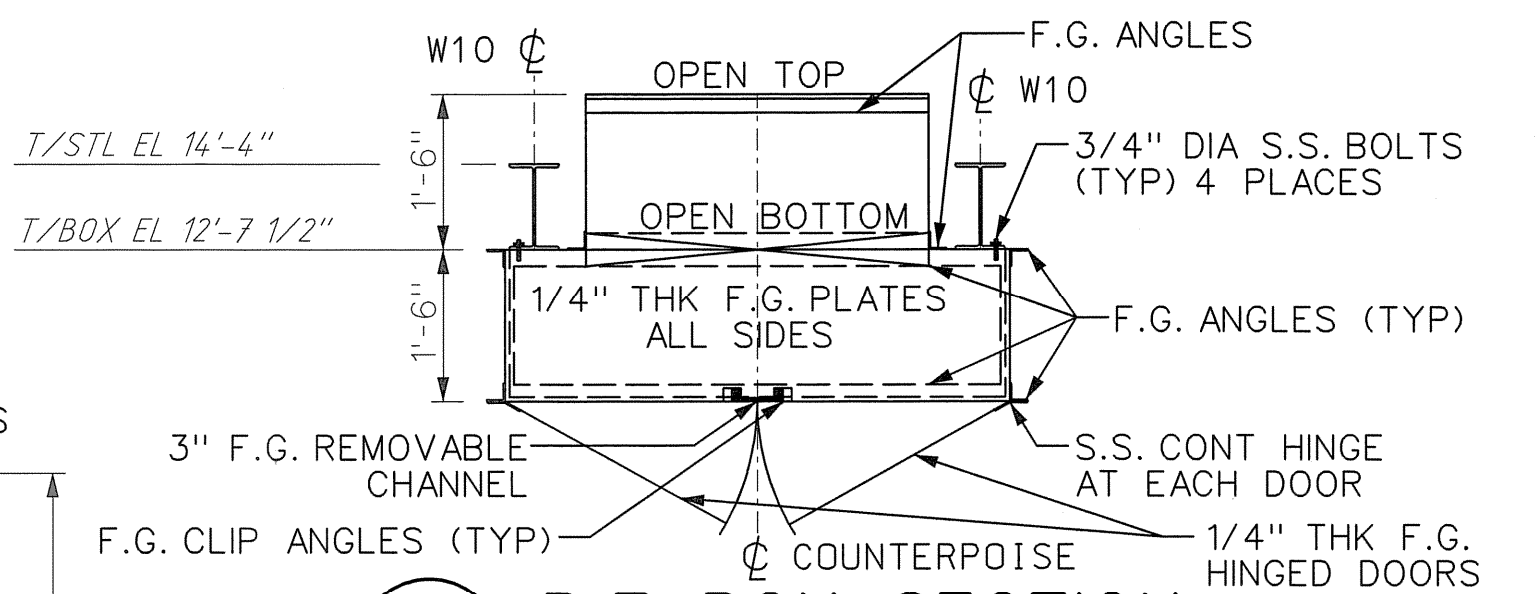
2 DETAIL OF VOR ANTENNA MOUNTING BRACKETS (TYP)
NOT TO SCALE

LOCATE BRACKETS AT COUNTERPOISE EDGE AT 22 1/2° INTERVALS, BEGINNING AT MAGNETIC NORTH AND AT 22.5°, 45°, 67.5°, 90°, 112.5°, 135°, 157.5°, 180°, 202.5°, 225°, 247.5°, 270°, 292.5°, 315°, 337.5°

- NOTES
- DESIGN LOADS: WIND VELOCITY = 127 M.P.H.
WIND PRESSURE = 41 P.S.F. (0' TO 30') = 43 P.S.F. (31' TO 40')
 - SOIL BEARING PRESSURE IS 2000 P.S.F.
 - ALL STRUCTURAL STEEL TO BE ASTM A36, BOLTED CONNECTIONS TO USE 3/4 DIA FASTENERS ASTM A325.
 - ALL STRUCTURAL STEEL AND CONNECTORS TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
 - ALL CONCRETE, 3000 P.S.I., 28 DAY STRENGTH.
 - COUNTERPOISE IS TO BE BONDED ELECTRICALLY.-WELD INDIVIDUAL SHEETS TO PROVIDE BOND.
 - FLOOR OF EQUIPMENT BUILDING = DATUM EL 0'-0".
 - COUNTERPOISE IS 1/4" THICK ALUMINUM PLATE, CONTINUOUSLY WELDED, ALL SIDES ARE TO BE THRU-BOLTED THRU NAILER AND STRUCTURAL MEMBER FLANGES W/3/8" DIA S.S. NUTS/BOLTS. NUT/BOLT FASTENERS SPACED AT = 18"-24" AT ALL STRUCTURAL STEEL MEMBERS ON COUNTERPOISE TOP.
 - REINSTALL VOR ANTENNA MOUNTING BRACKETS AND ANTENNAS
 - REMOVE TEEPEE FROM STORAGE AND RE-INSTALL USING NEW BOLTS, WASHERS, AND NUTS. PREPARE ANY DAMAGED SURFACES OF FIBERGLASS CONE BY USING HAND SANDER. AFTER SANDING, POWER WASH THE CONE WITH WATER. CONTRACTOR TO SUPPLY HIS OWN WATER. FOLLOWING POWER WASHING, WIPE DOWN THE SURFACES WITH SOLVENT. BEFORE PAINTING, REMOVE AND REPLACE ANY DETERIORATED AREAS OF JOINT SEALANT/CAULKING ON THE CONE. PAINT MUST NOT HAVE METAL PIGMENT SUCH AS ALUMINUM, BRONZE, OR LEAD; THE ONLY PIGMENT TO BE USED IS TITANIUM DIOXIDE (WHITE). PAINT SHALL BE SHERWIN WILLIAMS' TILE CLAD EPOXY PAINT OR GLIDDEN'S GLID-THANE II ACRYLIC POLYURETHANE COATING.
 - REMOVE LADDER FROM STORAGE AND INSTALL AT FORMER LOCATION.
 - DOWELS EXTEND 12" INTO FOOTING AND 14" ABOVE FOOTING TOP.
 - ALL WOOD SHALL BE FULL PENETRATION PRESSURE TREATED (P.T.)
 - AT LEAST THREE BOLT THREADS MUST EXTEND BEYOND THE OUTSIDE FACE OF NUT.
 - INSTALL NEW 3/4" DIA RODS IN PANELS AH, BC, DE, AND FG. (SEE DETAIL 4/S002)



PLAN OF R.F. BOX
NOT TO SCALE

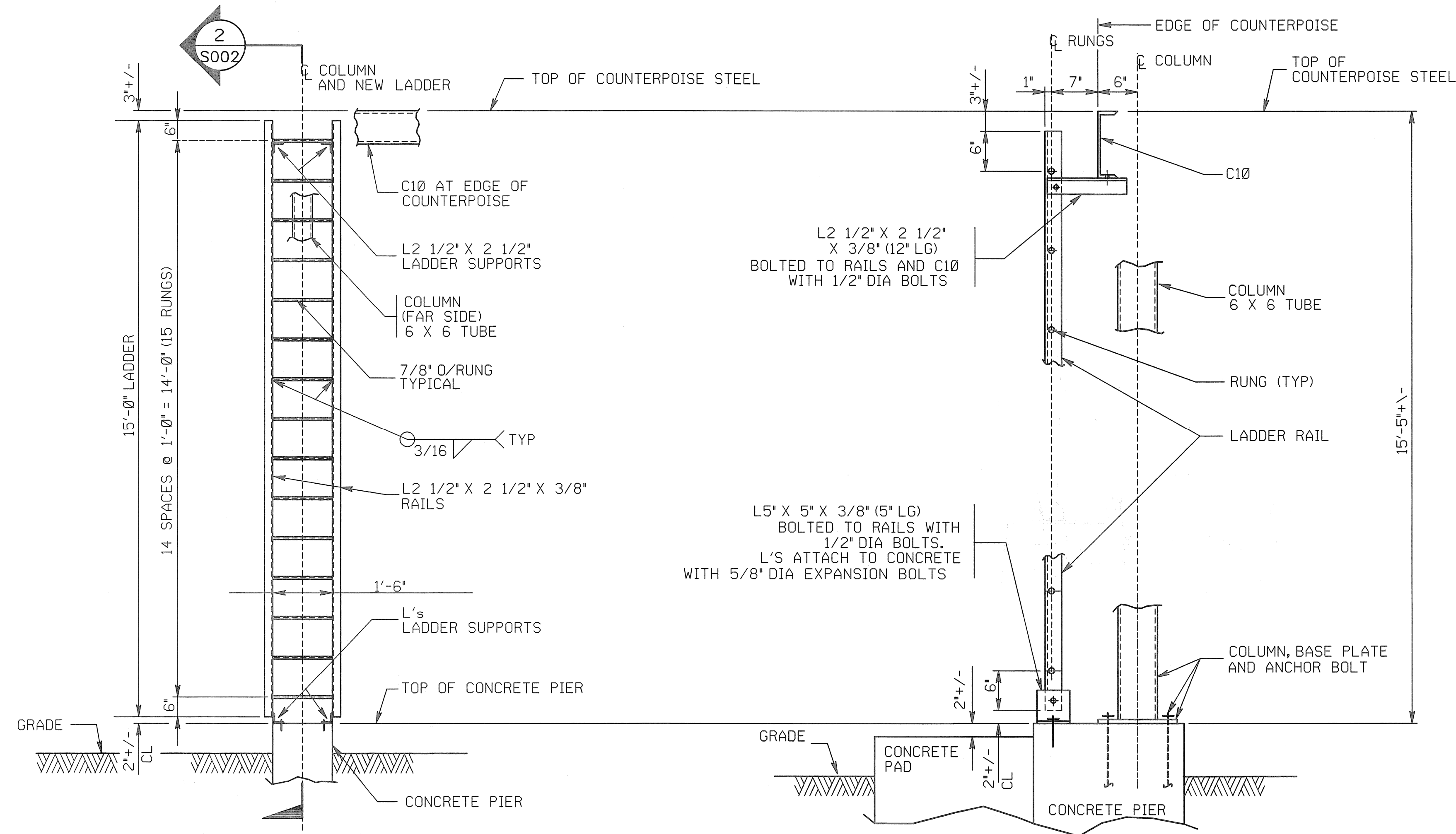


6 R.F. BOX SECTION
NOT TO SCALE

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT FRAMING PLAN AND DETAILS					
SAINT DAVID BERMUDA INT'L AIRPORT BM					
REVIEWED BY: Mark Johnston		APPROVED BY: Mark Johnston		MGR: ENGINEERING - CENTER A	
PROJECT ENGINEER		DESIGNED BY: MJ		ISSUED BY: LMC	
DRAWN BY: LMC		CHECKED BY: LMC		DATE: 07/17/2012	
DRAWING NO: BDA-1201875-S001		REV: 1201875		REV: 1201875	

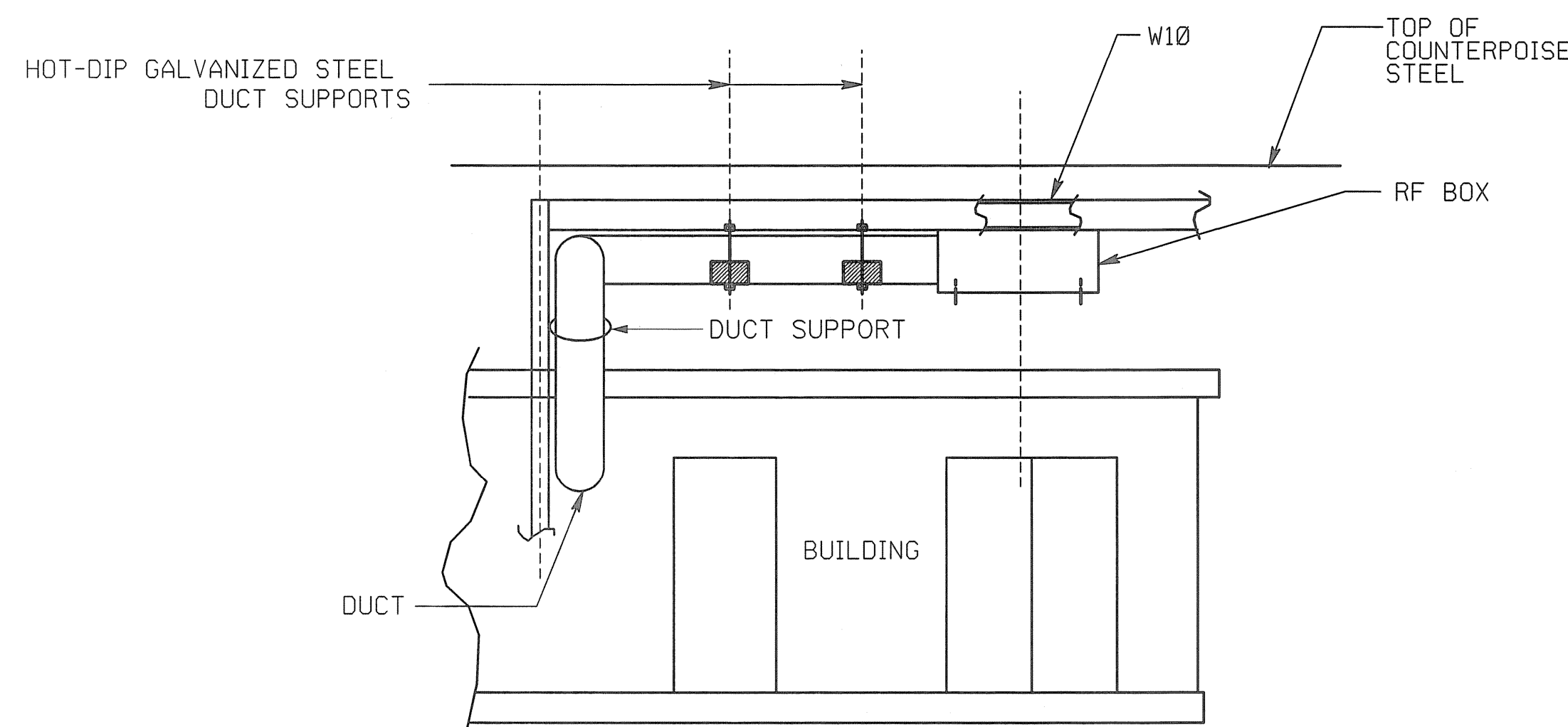
8 7 6 5 4 3 2 1

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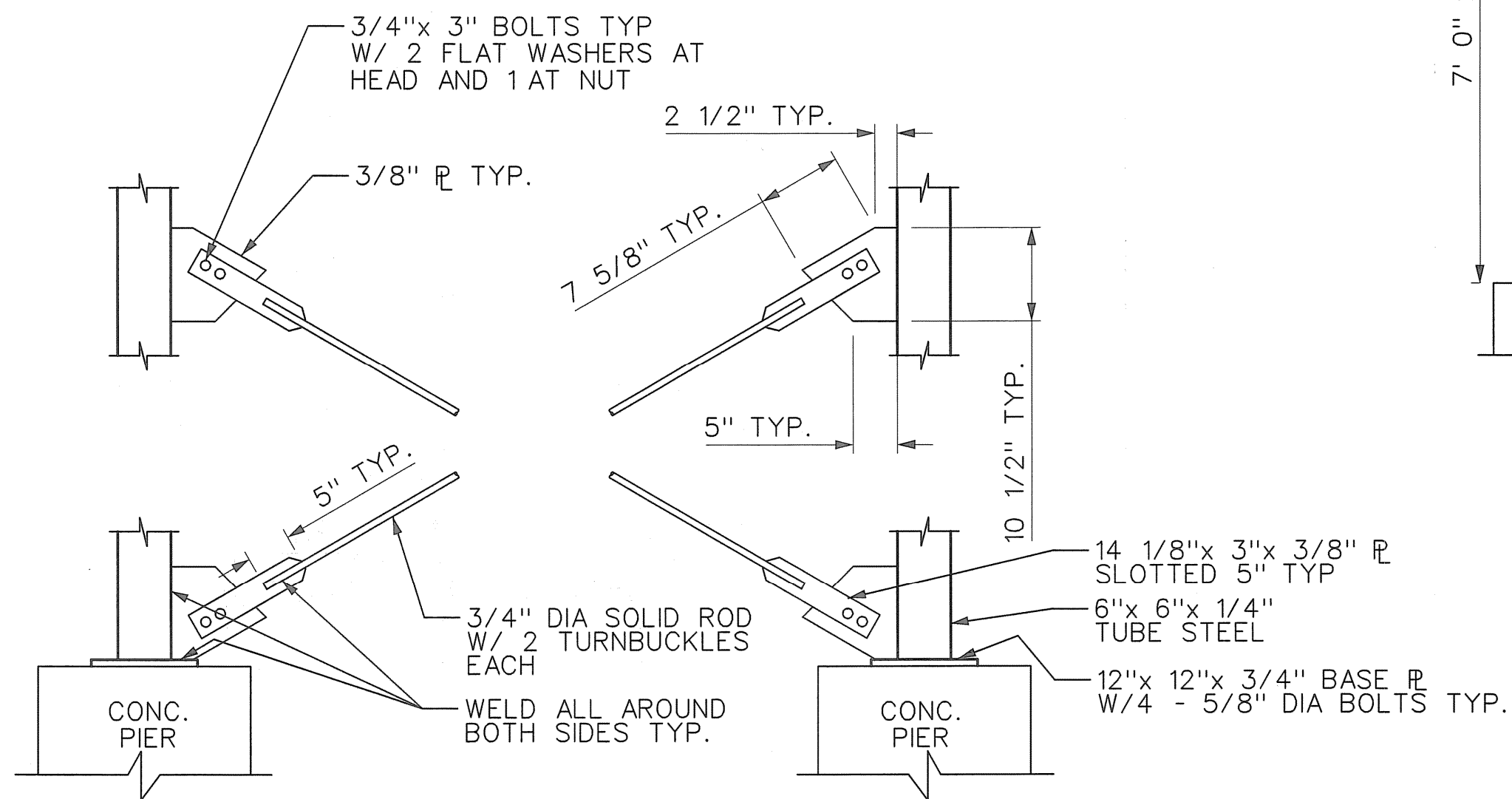


1 LADDER ELEVATION FRONT VIEW
S002 SCALE: 1/2" = 1'-0"

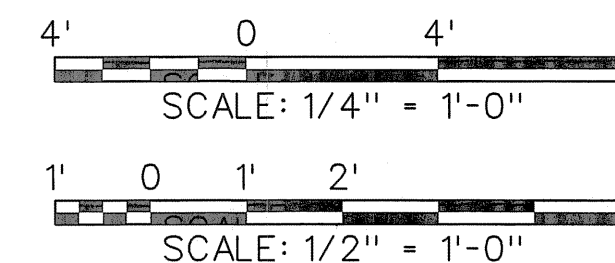
2 LADDER SECTION
S002 SCALE: 1/2" = 1'-0"



3 ELEVATION VIEW
S002 SCALE: 1/4" = 1'-0"



4 DIAGONAL BRACING BAYS AH, BC, DE, FG
S002 NOT TO SCALE

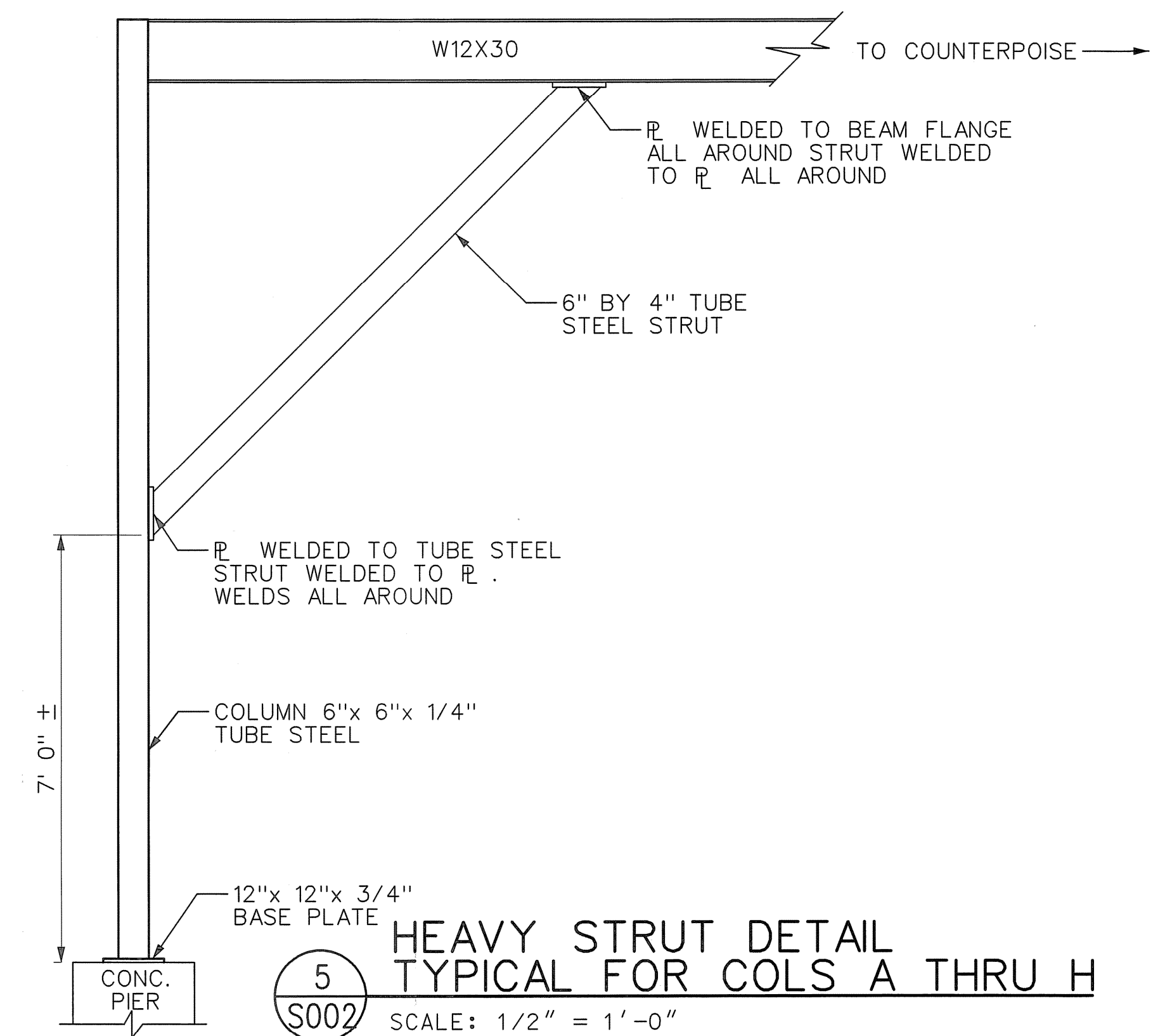


NOTES

- EXISTING LADDER TO BE RE-INSTALLED IN ORIGINAL LOCATION SEE SHEET A001 AND S002.
- ALL MISC STEEL MATERIAL, DETAILING, FABRICATION AND INSTALLATION IS IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS, DIVISION 5.
- UON ALL STEEL IS MULTILAYER HOT-DIP GALVANIZED AS PER ASTM A123.
- UON ALL BOLTS ARE HOT-DIP GALVANIZED AS PER ASTM A153.
- REUSE EXISTING CONCRETE PAD SHOWN IN 2/S002.
- REPLACE EXPANSION MATERIAL BETWEEN CONCRETE PIER AND CONCRETE PAD IF SPACE PERMITS.
- REPLACE ALL DUCT SUPPORTS AND CONDUIT SUPPORTS WITH GALVANIZED STEEL SUPPORTS.
- HEAVY STRUTS ARE ON COLS. A THRU H

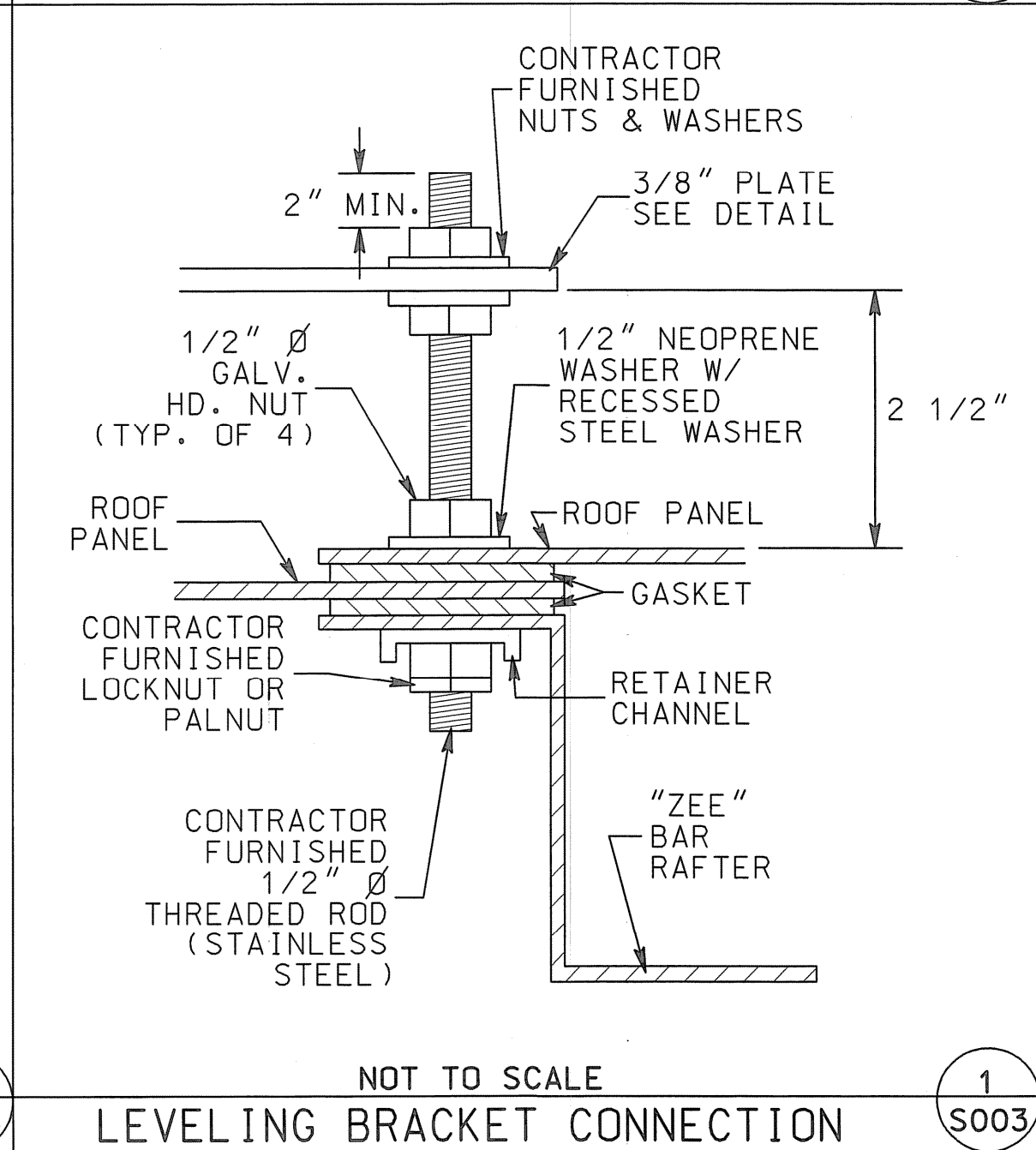
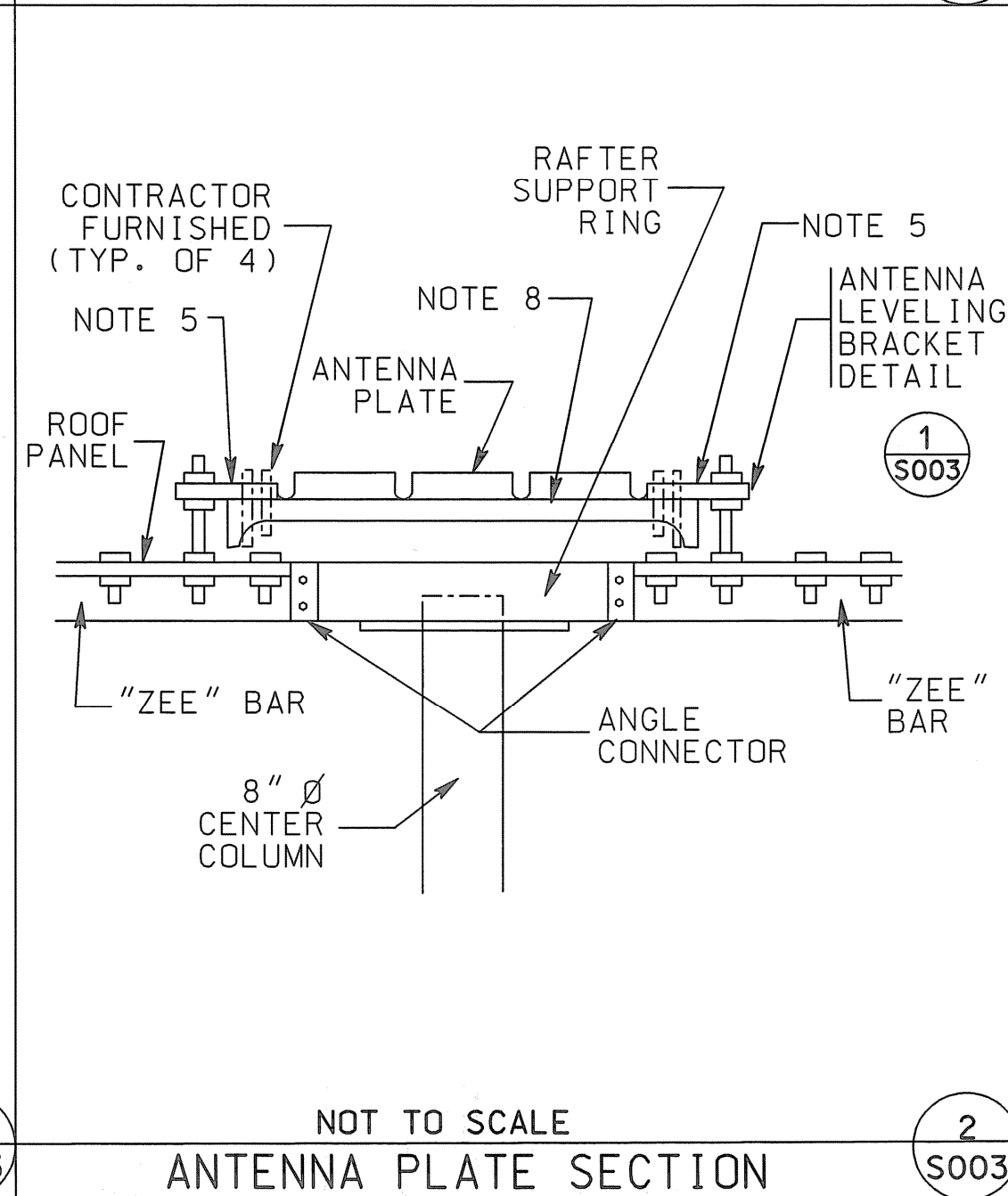
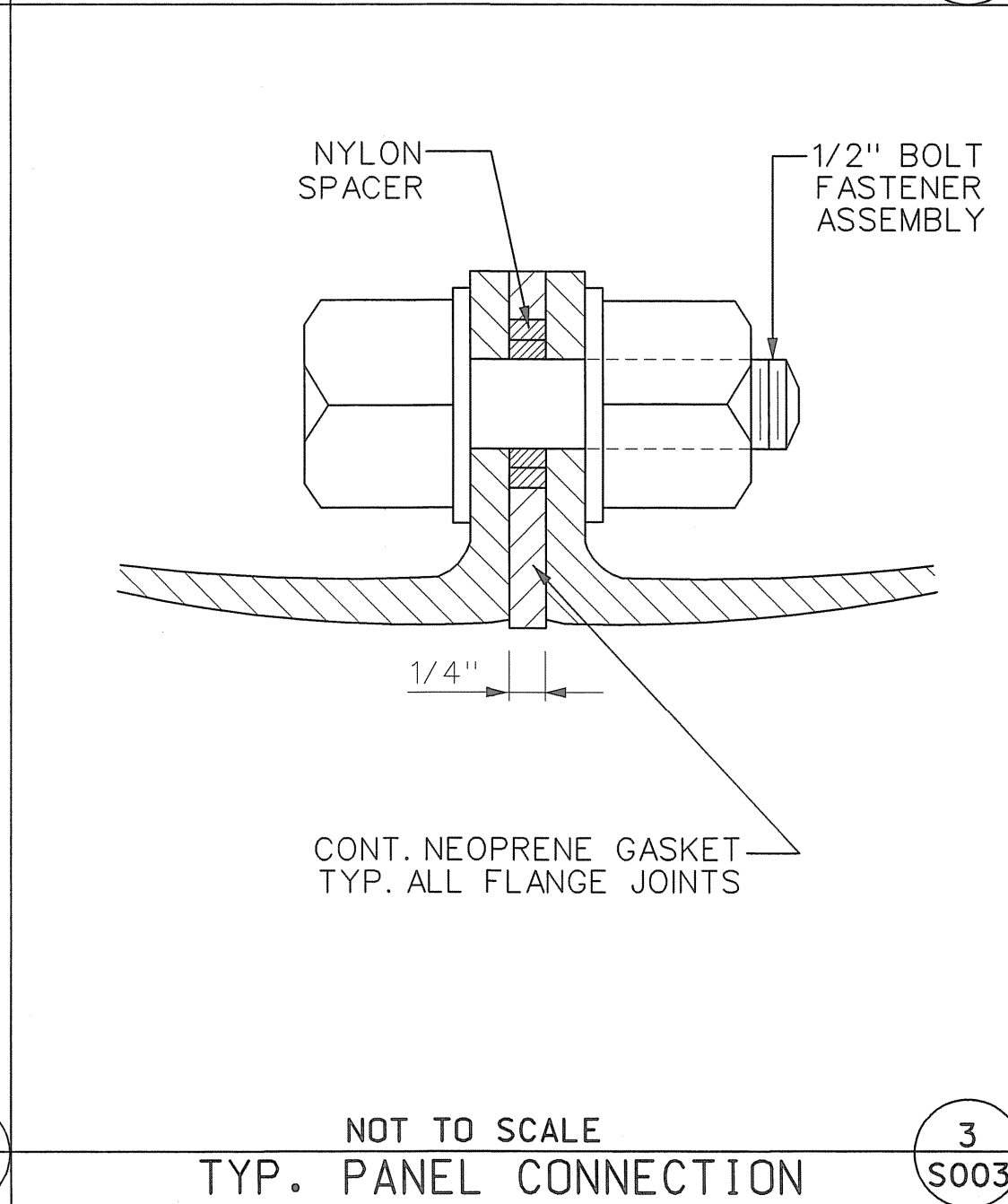
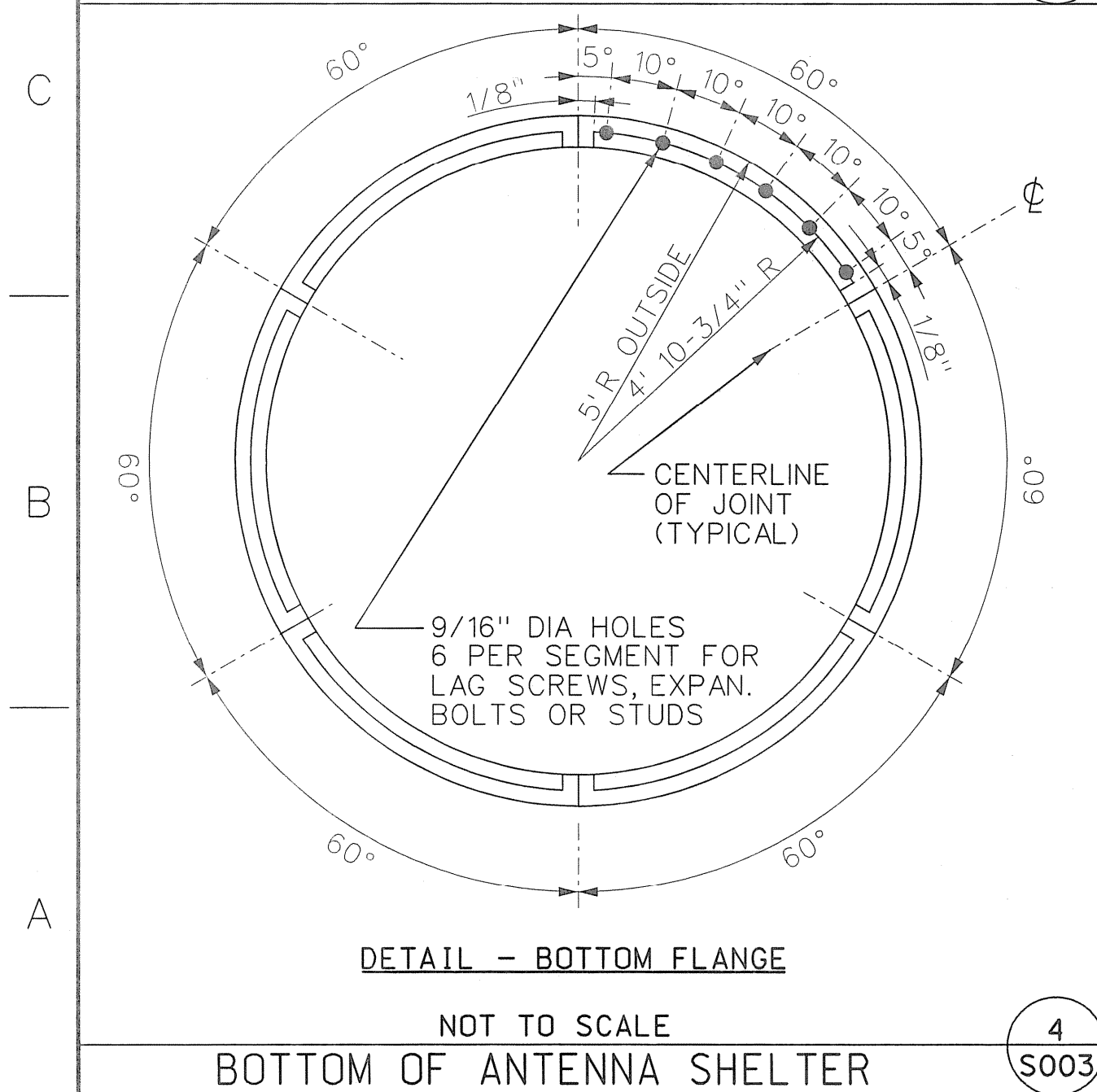
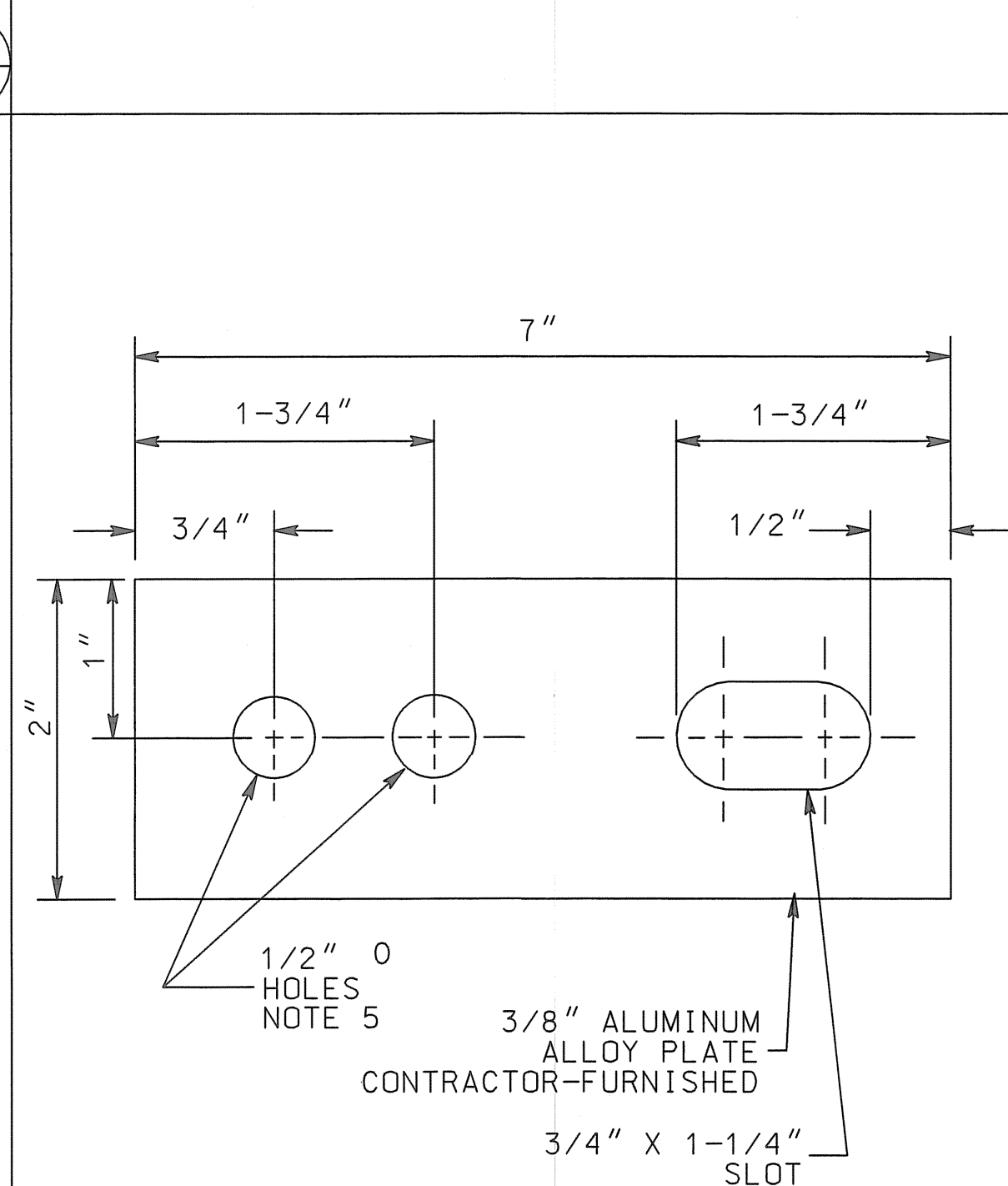
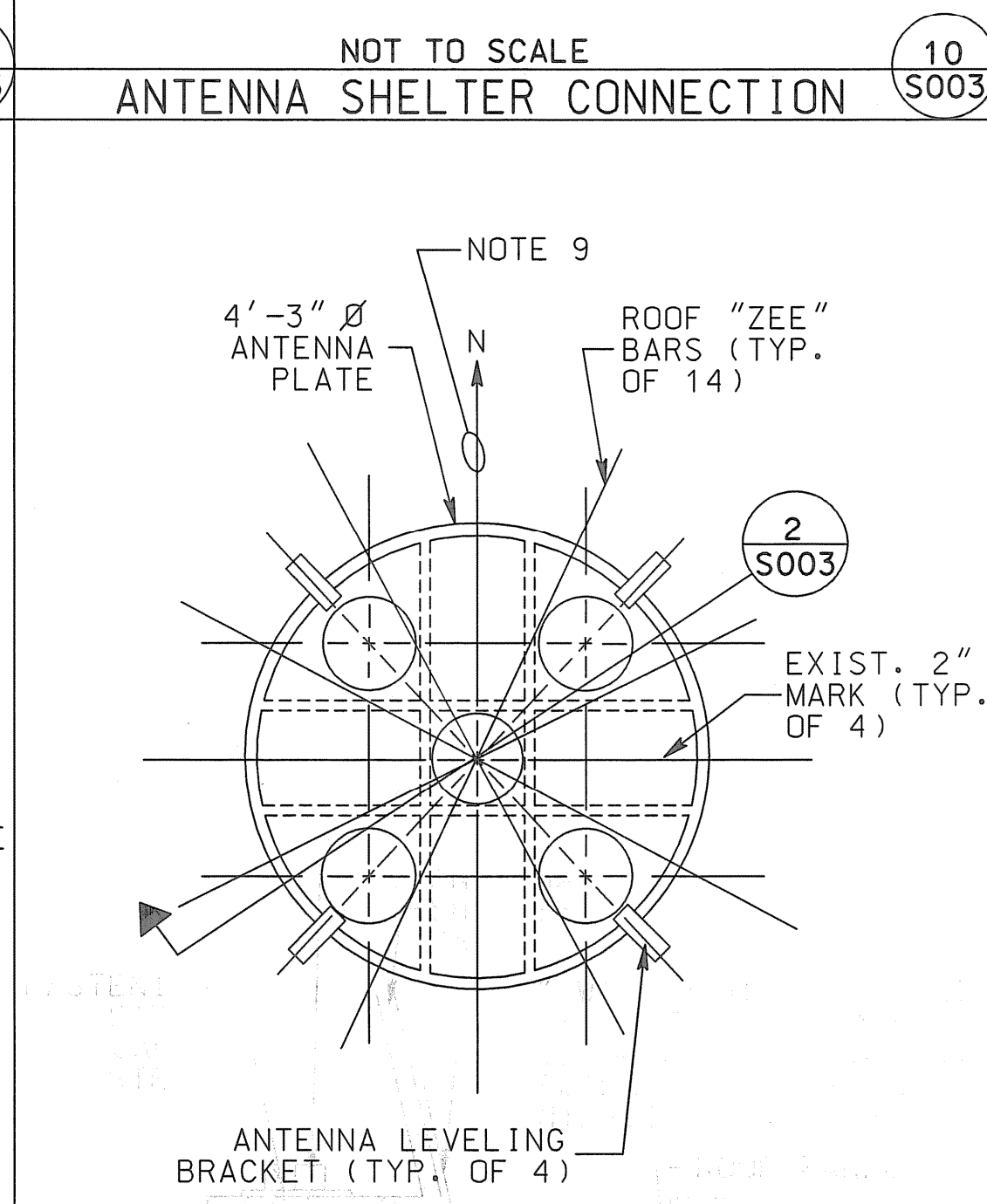
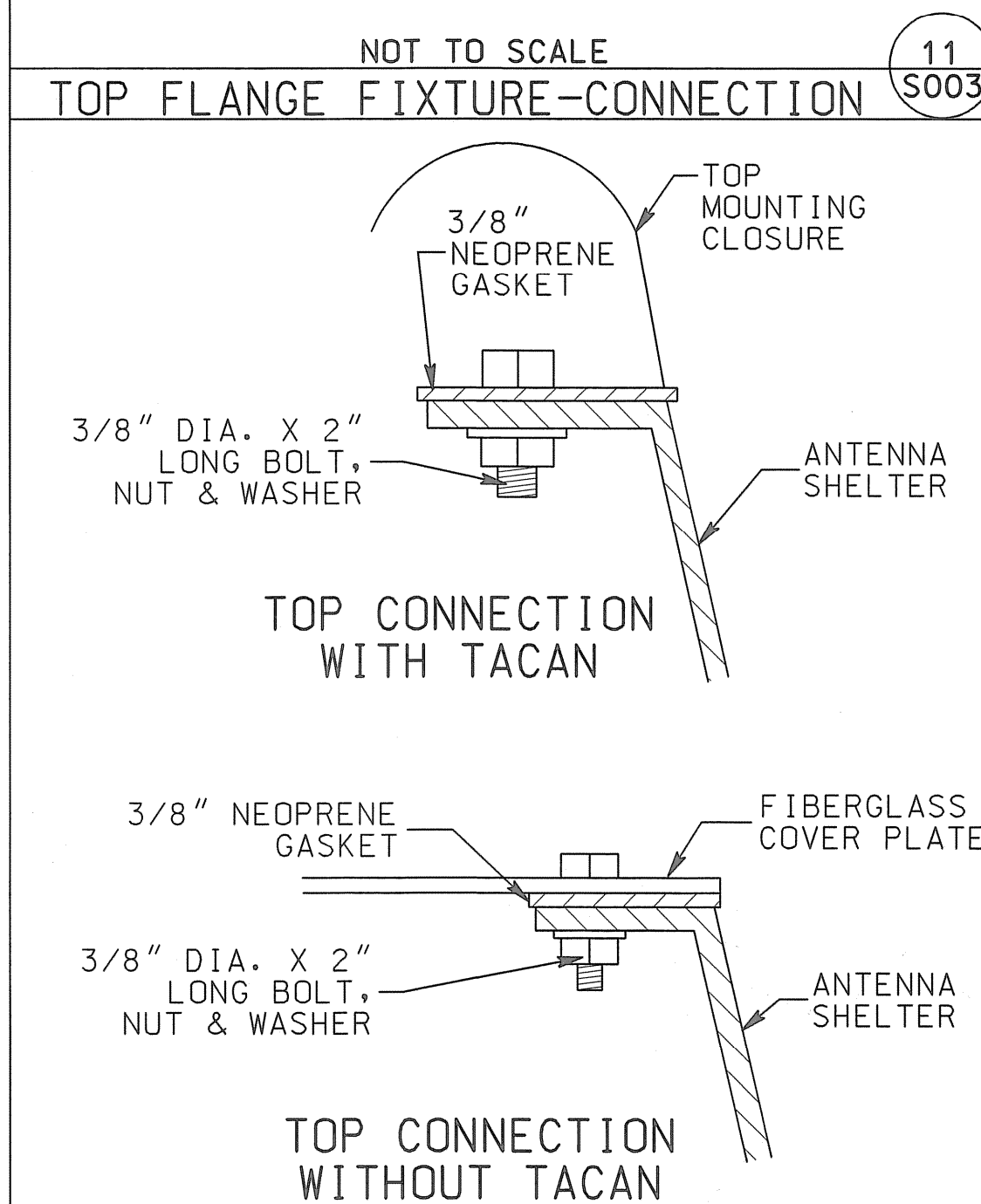
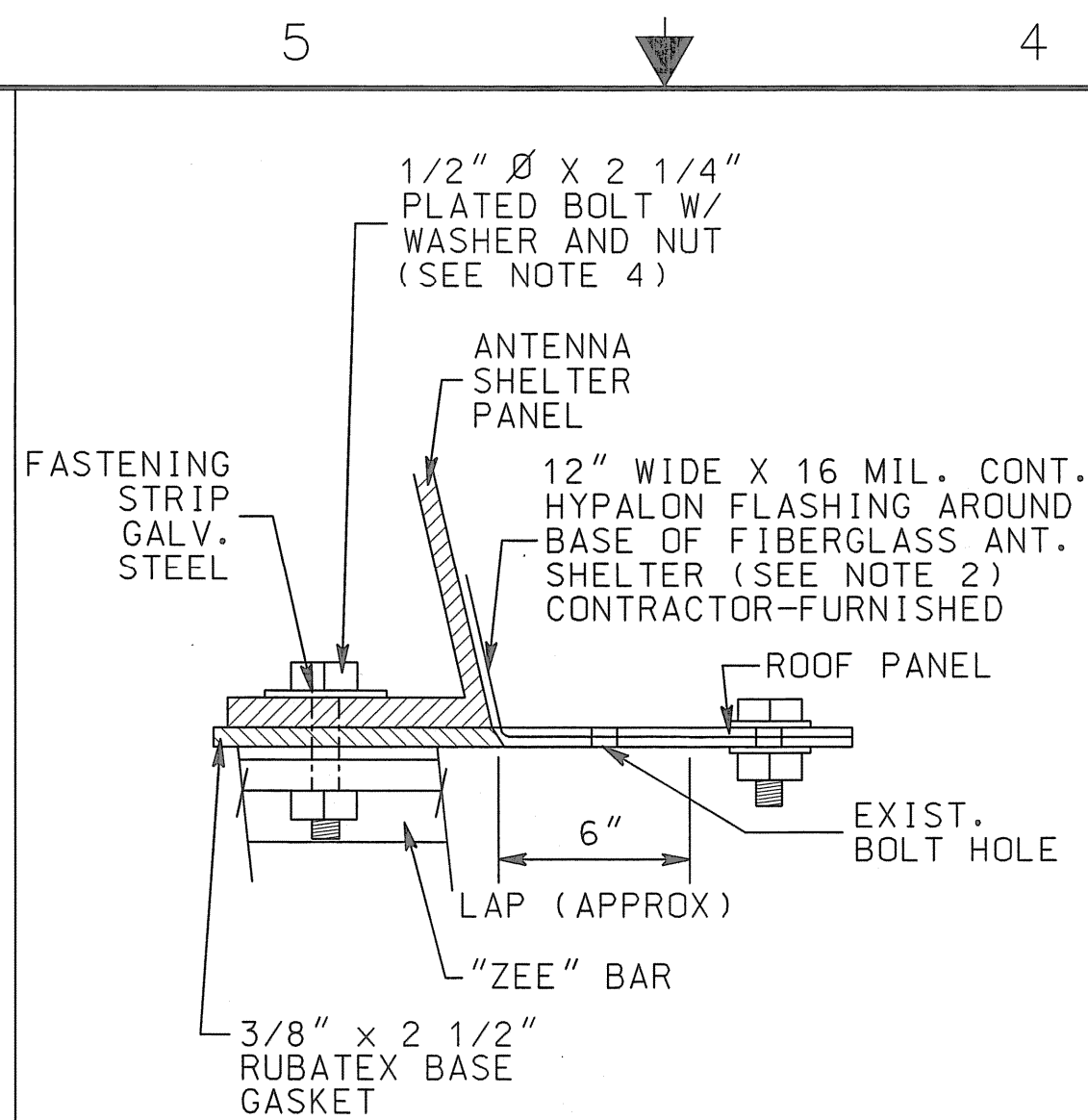
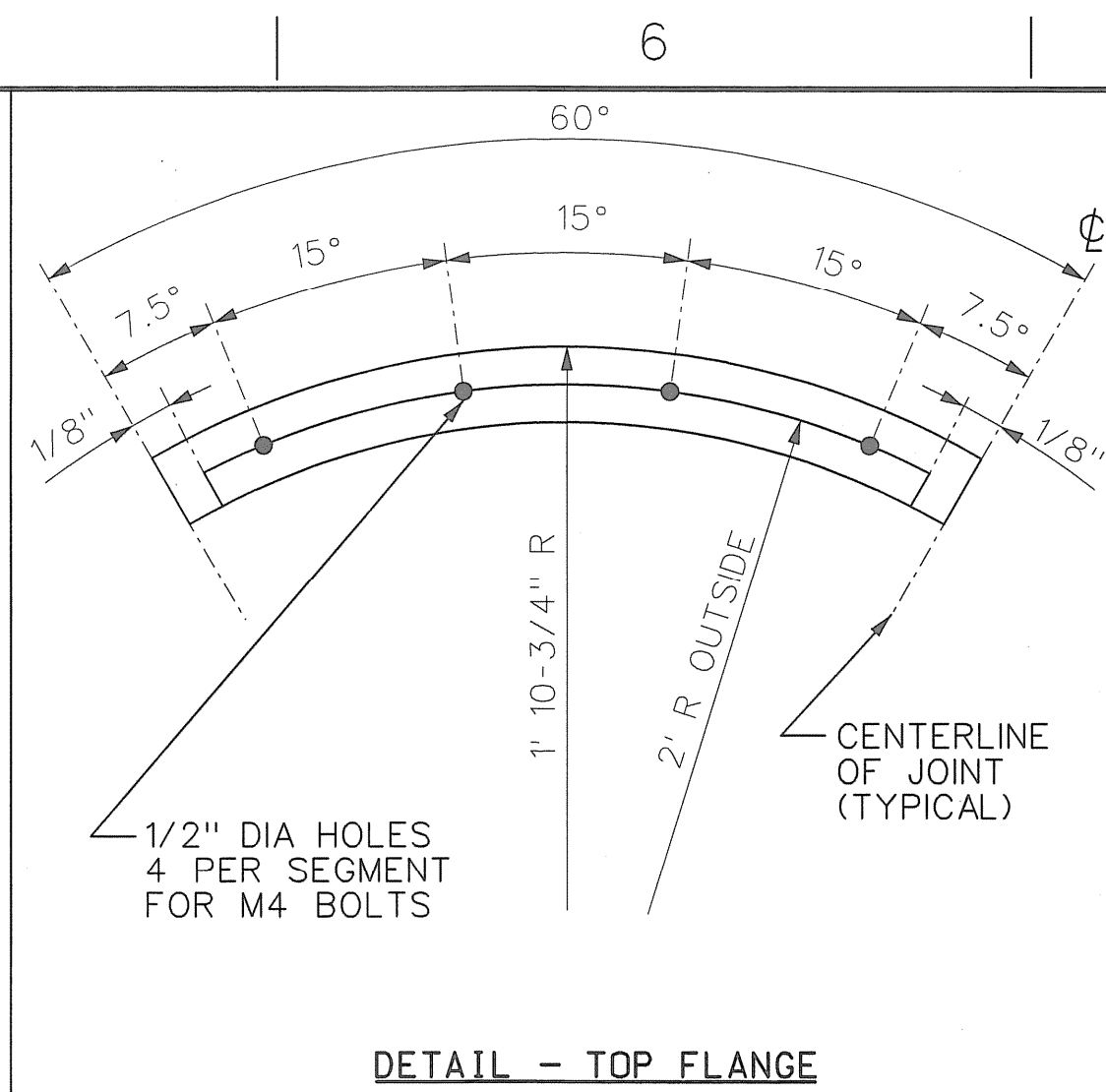
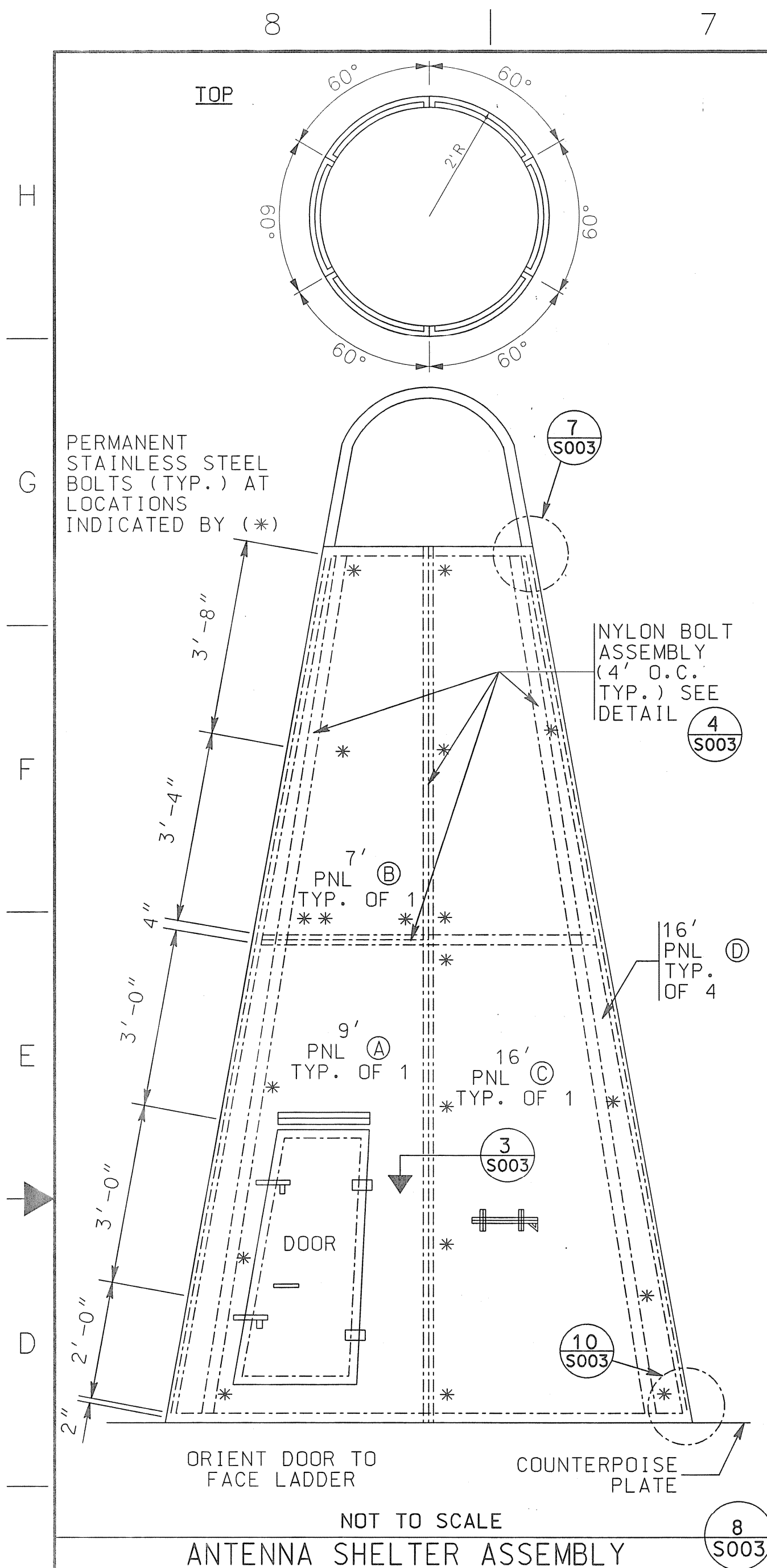
LEGEND

UON - UNLESS OTHERWISE NOTED
SS - STAINLESS STEEL



5 HEAVY STRUT DETAIL TYPICAL FOR COLS A THRU H
S002 SCALE: 1/2" = 1'-0"

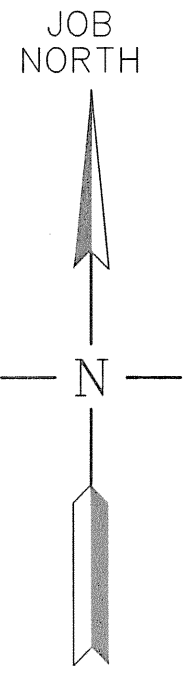
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT SITE SECTIONS AND DETAILS					
SAINT DAVID BERMUDA INT'L AIRPORT BM					
SUBMITTED BY Mark Johnston		APPROVED BY Mark Johnston		MGR: ENGINEERING - CENTER A	
DESIGNED MJ		ISSUED BY ENGINEERING SERVICES		DATE 07/17/2012	
DRAWN LMC		CHECKED		DRAWING NO BDA-1201875-S002	



- ## NOTES

1. IF THE SHELTER IS DISASSEMBLED, IT SHALL BE RE-ASSEMBLED USING ALL NEW FASTENERS OF THE KINDS SPECIFIED. ASSEMBLE FIBERGLASS ANTENNA SHELTER WITH CONTRACTOR FURNISHED NEW NEOPRENE GASKETS AND NYLON WASHERS USING PERMANENT STAINLESS STEEL BOLTS AS SHOWN AND TEMPORARY MACHINE BOLTS AT APPROXIMATELY 12" CENTERS. DRAW BOLTS UP UNIFORMLY UNTIL SHELTER SECTION FLANGES ARE COMPLETELY TIGHT THEN REPLACE TEMPORARY BOLTS CONSECUTIVELY WITH NYLON BOLTS.
2. IF THE SHELTER IS REMOVED AND REPLACED AS SINGLE UNIT, ANY BROKEN, CORRODED, OR DAMAGED FASTENERS SHALL BE REPLACED WITH CONTRACTOR FURNISHED, LIKE FASTENERS.
3. REPAIR AND REPRINT DAMAGED TEEPEE SURFACES (SEE NOTE 10, S001).
4. REPLACE BASE AND CAP GASKETS (SEE NOTES 4 AND 5, A001) IF TEEPEE REMOVED AND REPLACED AS ONE PIECE. OTHERWISE, REPLACE ALL GASKETS.
5. ALIGN FIBERGLASS ANTENNA SHELTER ON CENTER OF VOR COUNTERPOISE. BOLT TO COUNTERPOISE FRAME USING CONTRACTOR FURNISHED 3/8" STAINLESS STEEL BOLTS WITH NUTS AND NYLON WASHERS. INSTALL FASTENERS THROUGH NAILER AND SUPPORTING STRUCTURAL MEMBER FLANGES. USE EXISTING HOLES IN SHELTER FLANGE FOR BOLTING TO THE SUPPORTING STRUCTURAL MEMBERS.
6. RE-INSTALL ORIGINAL ANTENNA PLATE USING LEVELING BRACKETS AND "Z" BARS. ATTACH THE LEVELING BRACKETS TO THE THE ANTENNA PLATE USING CONTRACTOR SUPPLIED 3/8" DIA STAINLESS STEEL BOLTS, WASHERS, AND NUTS. CONTRACTOR TO LEVEL ANTENNA PLATE LEAVING AT LEAST 2" OF THREADS ABOVE EACH TOP LEVELING NUT. BOLTS, WASHERS & NUTS SHALL BE STAINLESS STEEL.
7. ALL MATERIALS TO BE CONTRACTOR FURNISHED UNLESS NOTED OTHERWISE.

[illegible]



EXISTING ANTENNA
OBSTRUCTION LIGHTING
SEE NOTE 5 REFER TO 2/A001

EXISTING
RF BRIDGE
CABLE BOX

REFER TO
1/E002

REFER TO
1/E002

MONITOR DETECTOR
ANTENNA (MDA)
JUNCTION BOX

REFER TO
1/E002

REFER TO
1/E002

TELEPHONE

GROUND PLATE

PANEL "C" ELECTRONICS

15 KVA
TRANSFORMER

VOR/DME
EQUIPMENT
CABINET
24"W X 76"H
X 30.75"D

EXISTING VOR/DME
MONITOR ANTENNA
SYSTEM

CONC. PAD WITH
A/C COMPRESSORS

GENERATOR ROOM

EQUIPMENT ROOM

1
E001

PLAN

1' 0 1' 2' 5'
SCALE: 1/2" = 1'-0"

NOTES

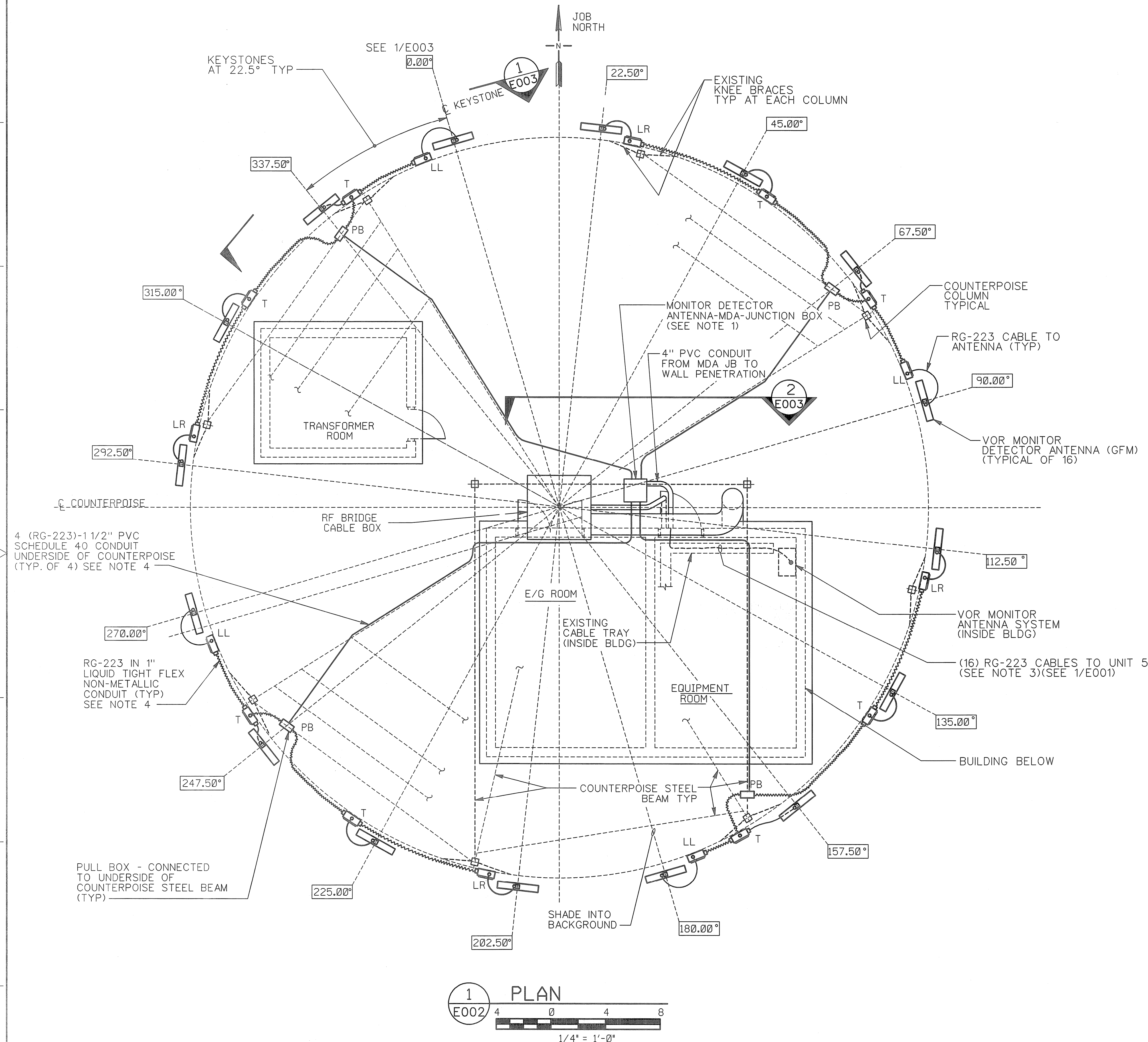
1. WORK INSIDE BUILDING LIMITED TO CABLE PULLING.
2. FOR EQUIPMENT BUILDING-WALL ELEVATIONS, SEE SHEET E004.
3. FOR ADDITIONAL EQUIPMENT ROOM INFORMATION, SEE "CABLE TRAY AND EQUIPMENT RACK LAYOUT" ON SHEET E005.
4. ROUTE 2-1/C #12 IN EXISTING WIREWAY AND/OR CABLETRAY FROM ANTENNA OBSTRUCTION LIGHT TO PANEL "C" TERMINATE CONDUCTORS IN EXSITING 15A BREAKER SEE 8/S003 AND 2/A001 FOR DIMENSIONS.
5. ALL (16) RG-223 CABLES SHALL TERMINATE IN VOR/DME MONITOR ANTENNA SYSTEM. TERMINATION BY OTHERS.
6. 1/4" HELIAX TRANSMISSION CABLE PULLED AND TERMINATED BY OTHERS.

LEGEND

GND - GROUND
BC - BARE COPPER
JB - JUNCTION BOX
UON - UNLESS OTHERWISE NOTED

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT EQUIPMENT BUILDING - PLAN SAINT DAVID BERMUDA INT'L AIRPORT BM SUBMITTED BY Mark Johnston PROJECT ENGINEER DESIGNED MJ DRAWN LMC CHECKED APPROVED BY Mano J. Brando MGR: ENGINEERING - CENTER A DATE 07/17/2012 JCN DRAWING NO BDA-1201875-E001 REV					

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NOTES

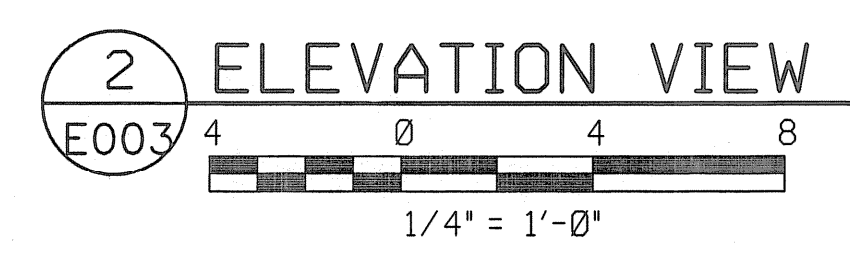
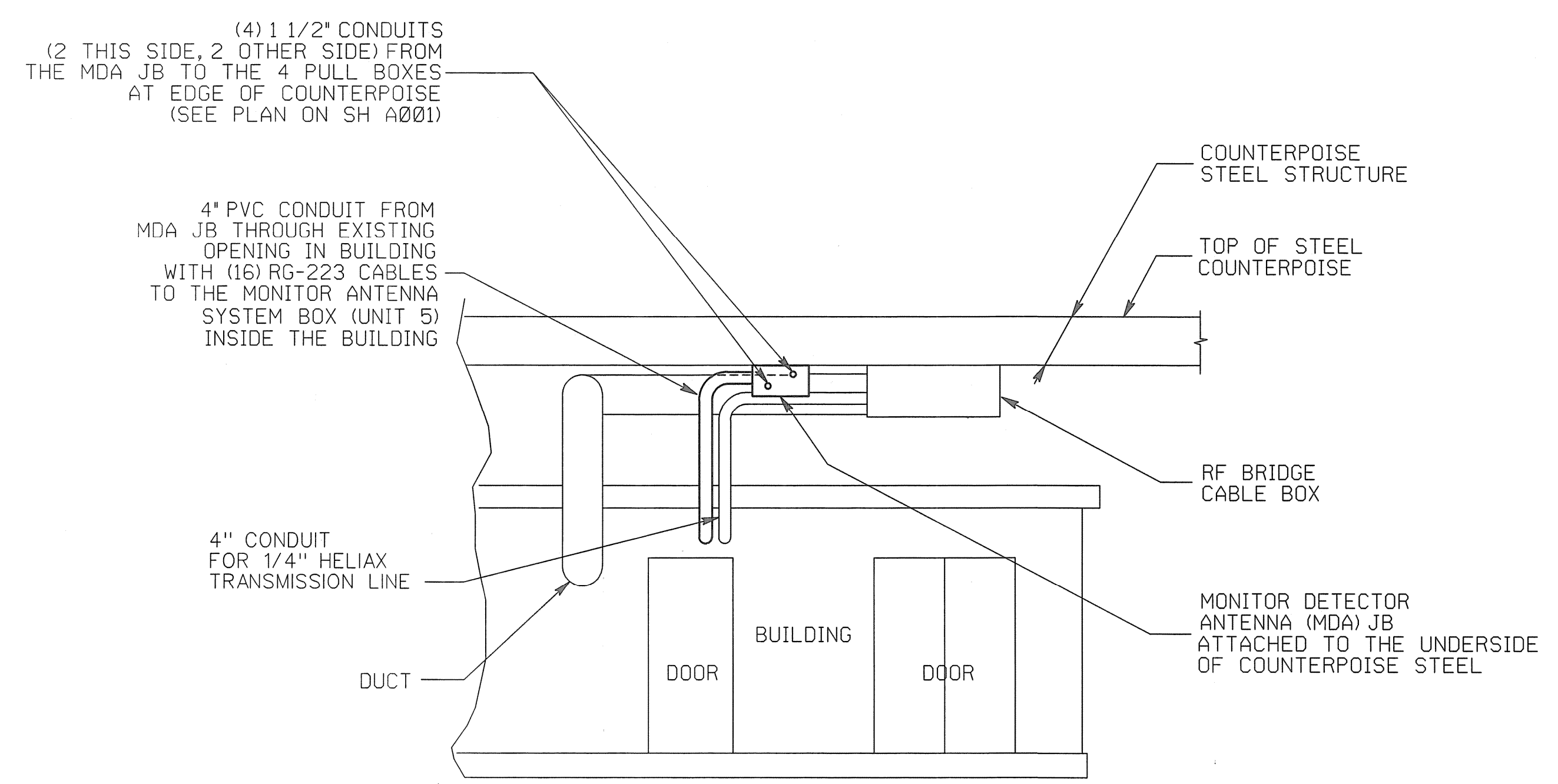
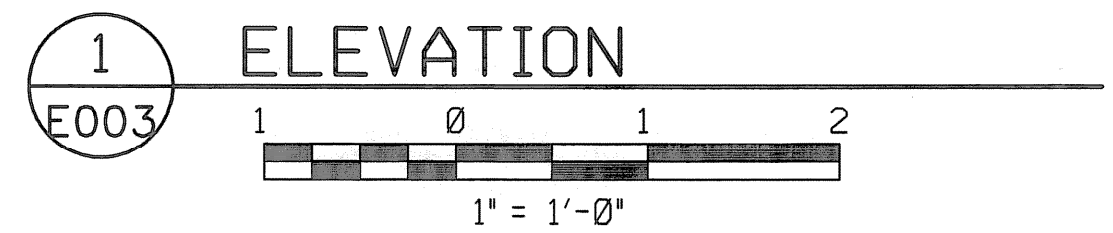
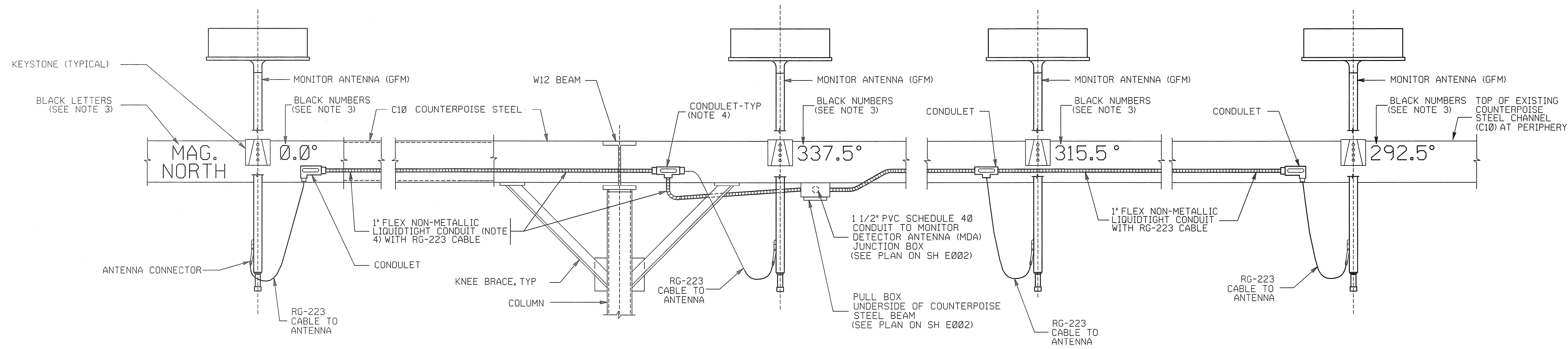
- MATERIAL**
CONDUIT: RIGID SCH 80 PVC EXCEPT POWER CONDUIT WHICH IS RGS.
CONDULETS: RIGID PVC SCHEDULE 80 CONDUIT BODIES
LR - CONDULET OUTLET BODY TYPE LR - CARLON No E985F
LL - CONDULET OUTLET BODY TYPE LL - CARLON No E984F
T - CONDULET OUTLET BODY TYPE T - CARLON No E983F
PB - PULLBOX: NEMA 4X FIBERGLASS - HOFFMAN No A-645JFG
MDA J.B. - JUNCTION BOX: NEMA 4X FIBERGLASS - 20"X20"X12" - HOFFMAN No A-20H2012GQRLP
THE FITTINGS USED WITH THE FLEXIBLE CONDUIT SYSTEM ARE NONMETALLIC
- ALL CONDUIT TERMINATIONS IN JUNCTION BOXES SHALL HAVE A THREADED FITTING WITH WATERTIGHT HUB AND LOCKNUT. CONDUITS SHALL HAVE A MINIMUM BEND RADIUS OF 8". EACH CONDUIT SHALL BE A SEALING TYPE BUSHING AT THE PULL/JUNCTION BOXES. BUSHING SHALL BE OZ/GEDNEY, TYPE GRK OR EQUAL.
- OWNER WILL INSTALL NEW ALL (16) RG-223 CABLES FSJ1 USING TED CONNECTORS, ONE FROM EACH VOR MONITOR DETECTOR ANTENNA TO THE VOR MONITOR ANTENNA SYSTEM (UNIT 5 - INSIDE THE BUILDING EQUIPMENT ROOM). ALL ARE OF EQUAL LENGTH. (CABLES ARE ALSO CUT TO SAME "ELECTRICAL" LENGTH- WHOLE WAVE LENGTHS). CONTRACTOR DETERMINES THE LENGTH OF THE LONGEST SINGLE RUN REQUIRED AND CUT ALL (16) CABLES TO THAT LENGTH. CONTRACTOR SHALL COIL ALL EXCESS SLACK IN MONITOR DETECTOR ANTENNA MDA - JUNCTION BOX AND /OR CABLE TRAY INSIDE THE BUILDING. THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL CABLES, CONNECTORS ETC., AS REQUIRED.
- ALL CONDUITS SHALL BE SUPPORTED AT A MAXIMUM OF 3'-0" BETWEEN EACH SUPPORT. IN ADDITION, CONDUITS SHALL BE SECURELY FASTENED WITHIN 1'-0" OF EACH OUTLET BOX, JUNCTION BOX, DEVICE BOX, CONDUIT BODY OR OTHER CONDUIT TERMINATIONS. ALL NON-METALLIC CONDUIT JOINTS SHALL BE GLUED TOGETHER.
- ALL SUPPORTS AND HARDWARE, UNLESS OTHERWISE NOTED, SHALL BE HOT DIPPED GALVANIZED STEEL OR STAINLESS STEEL.
- REMOVE ALL MONITOR DETECTOR ANTENNA, CONDUCTORS AND ELECTRICAL ASSOCIATED APPURTENANCE. ALL CONDUCTOR AND CONDUIT SHALL BE DISPOSED OF AT THE EXPENSE OF THE CONTRACTOR.
- REINSTALL VOR MONITOR DETECTOR ANTENNAS WHEN STRUCTURAL INSTALLATION IS COMPLETE COORDINATION AMONG THE DIFFERENT DISCIPLINES IS THE RESPONSIBILITY OF THE CONTRACTOR SEE A001.
- OWNER WILL REINSTALL/REBUILD RF BRIDGE AND TRANSMISSION LINE CABLES.

LEGEND

JB - JUNCTION BOX
MDA - MONITOR DETECTOR ANTENNA

8 7 6 5 4 3 2 1

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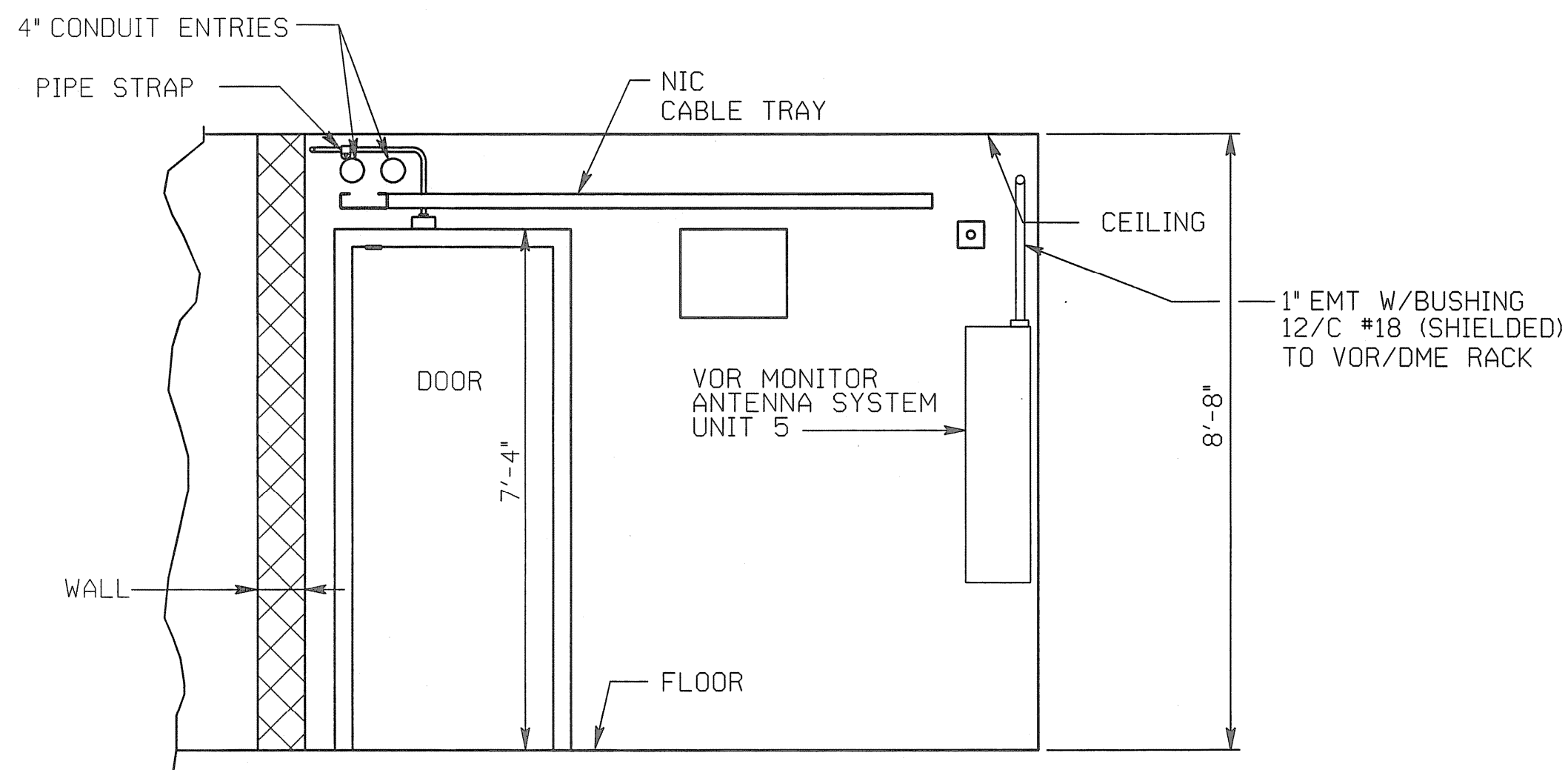
NOTES

1. FOR ADDITIONAL INFORMATION AND NOTES SEE E002.
2. MONITORS AND BRACKETS SHALL BE REINSTALLED PER ORIGINAL INSTALLATION AND IN ORIGINAL LOCATIONS.
3. ANGULAR LOCATION SHALL BE MARKED AT EACH KEYSTONE, STARTING AT "MAGNETIC NORTH" KEYSTONE LOCATION WITH 0.0 AND GOING CLOCKWISE (ie 22.5 , 45 , ETC). LETTERS/NUMBERS ARE 3" HIGH (APPROX) PAINTED WITH BLACK PAINT.
4. INSTALL 1" FLEX NON-METALLIC LIQUIDTIGHT CONDUIT, PULL BOXES & CONDULETS ATTACHED TO COUNTERPOISE STEEL WITH STAINLESS STEEL HARDWARE (1/4" DIA BOLTS) AND HOT DIPPED GALVANIZED CLAMPS. DRILLED HOLES REPAIRED AS PER TECH SPECIFICATIONS SECTION 5-2. (SEE NOTE 4 ON E002)
5. INSTALL ALL NEW CONDUIT, CONDULETS, PULL BOXES, MDA, JB'S AND CABLE.
6. REFURBISH MONITOR BRACKETS.
7. RF BRIDGE AND TRANSMISSION LINES ARE 1/4" HELIAX CABLE WITH FSJ1 TED CONNECTIONS. 1/4" HELIAX LINES INSTALLED BY OWNER.

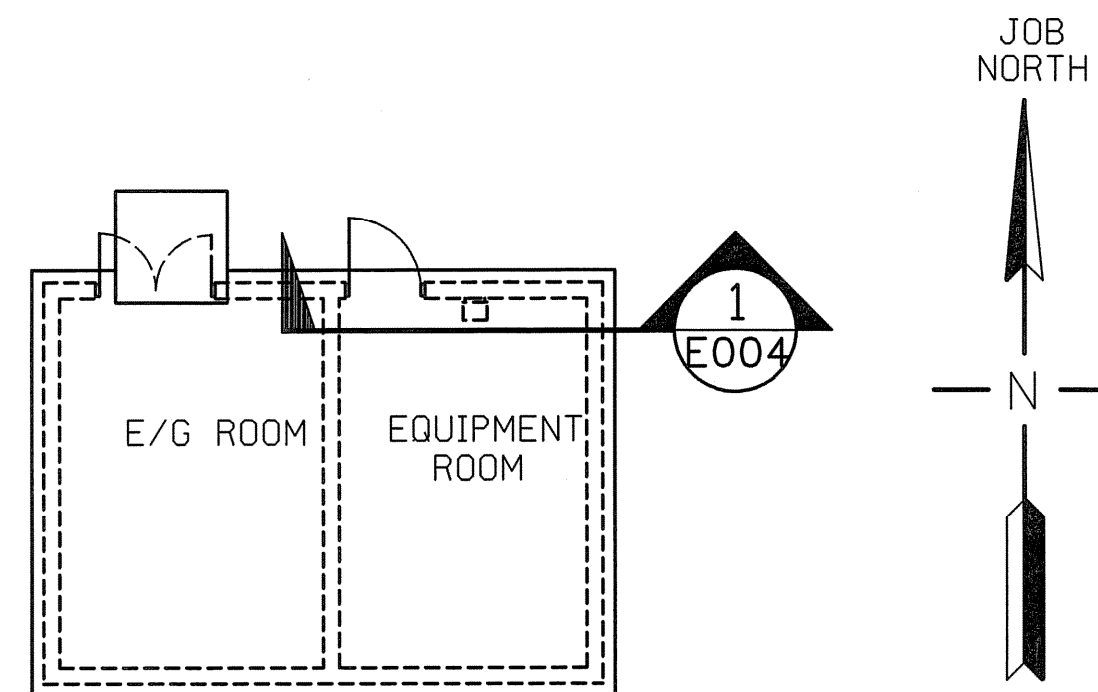
REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT VOR MONITOR DETECTOR ANTENNAS - DETAILS					
SAINT DAVID BERMUDA INT'L AIRPORT BM					
REVIEWED BY	SUBMITTED BY <i>Mark Johnston</i> Mark Johnston PROJECT ENGINEER		APPROVED BY <i>Manoj Brar</i> Manoj Brar MGR: ENGINEERING - CENTER A		
DESIGNED	MJ	ISSUED BY	DATE 07/17/2012 JCN 1201875		
DRAWN	LMC	ENGINEERING SERVICES INFRASTRUCTURE	DRAWING NO BDA-1201875-E003		
CHECKED			REV		

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1
E004
ELEVATION NORTH
EQUIPMENT ROOM
2 0 2 4
1" = 2'-0"



5
E004
EQUIPMENT BUILDING
KEY PLAN
NOT TO SCALE

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA					
VOR COUNTERPOISE STRUCTURE REFURBISHMENT EQUIPMENT BUILDING WALL SECTIONS					
SAINT DAVID			BERMUDA INT'L AIRPORT		BM
REVIEWED BY	SUBMITTED BY <i>Mark Johnston</i> Mark Johnston		APPROVED BY <i>Manoj Bhatia</i> Manoj Bhatia		
	PROJECT ENGINEER		MGR: ENGINEERING - CENTER A		
	DESIGNED	MJ	ISSUED BY	DATE	JCN
	DRAWN	LMC	ENGINEERING SERVICES	07/17/2012	1201875
	CHECKED		INFRASTRUCTURE	DRAWING NO	REV
				BDA-1201875-E004	

NOTES

1. DRAWING PROVIDED FOR GENERAL INFORMATION.
2. CONTRACTOR SHALL PULL CABLE IN CONDUIT TO AND FROM PANEL "C" FOR OBSTRUCTION LIGHT.
3. ALL RG-223 AND HELIAX INSTALLATION AND TERMINATIONS SHALL BE BY OTHERS.

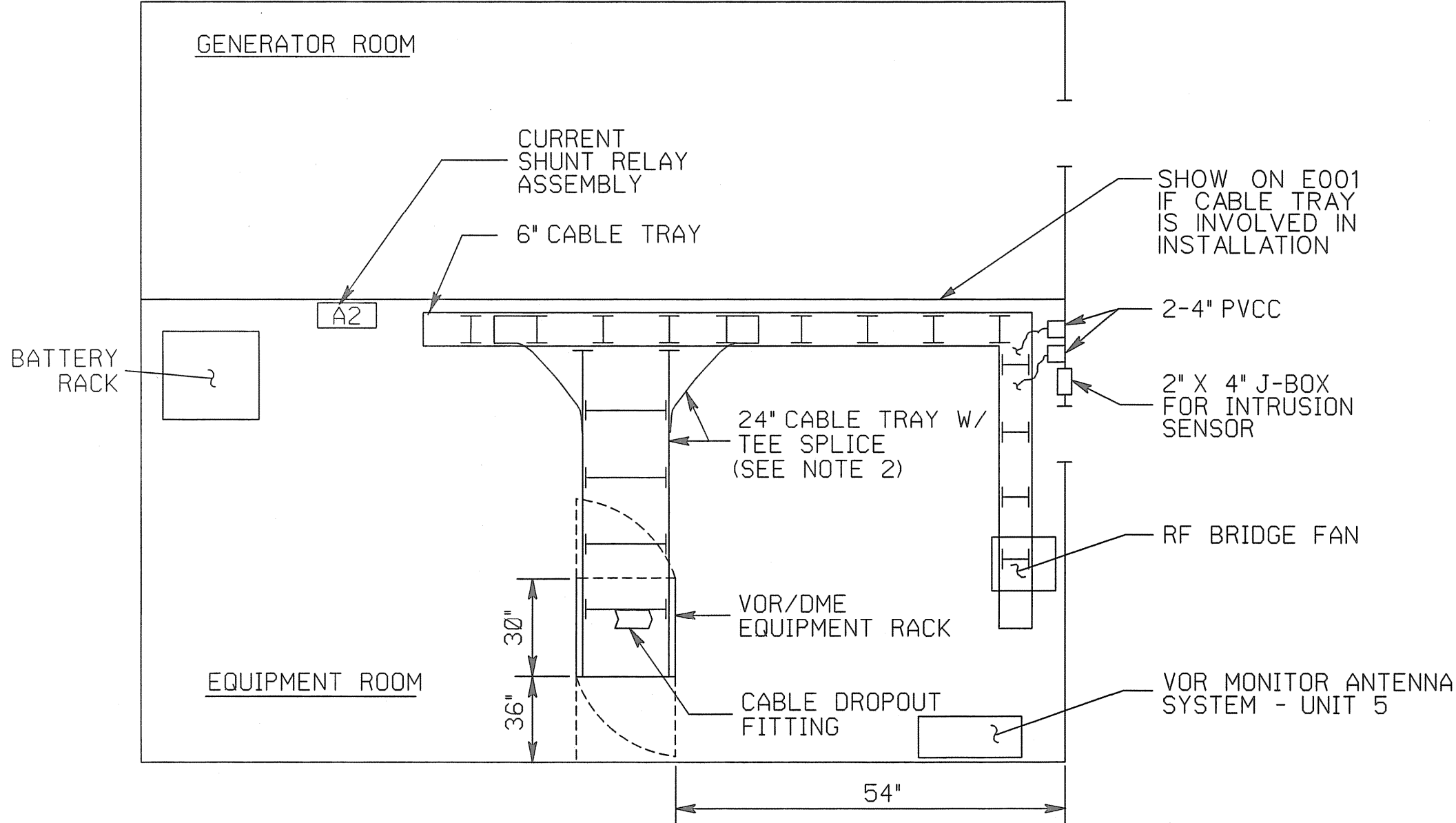
LEGEND

- BC - BARE COPPER
NIC - NOT IN CONTRACT

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B
A
ISSUED FOR CONSTRUCTION

NOTES

1. LOCKOUT AND TAGOUT POWER BEFORE BEGINNING DEMOLITION.
2. REMOVE LOCKS AND TAGS AFTER COMPLETION OF ALL WORK.

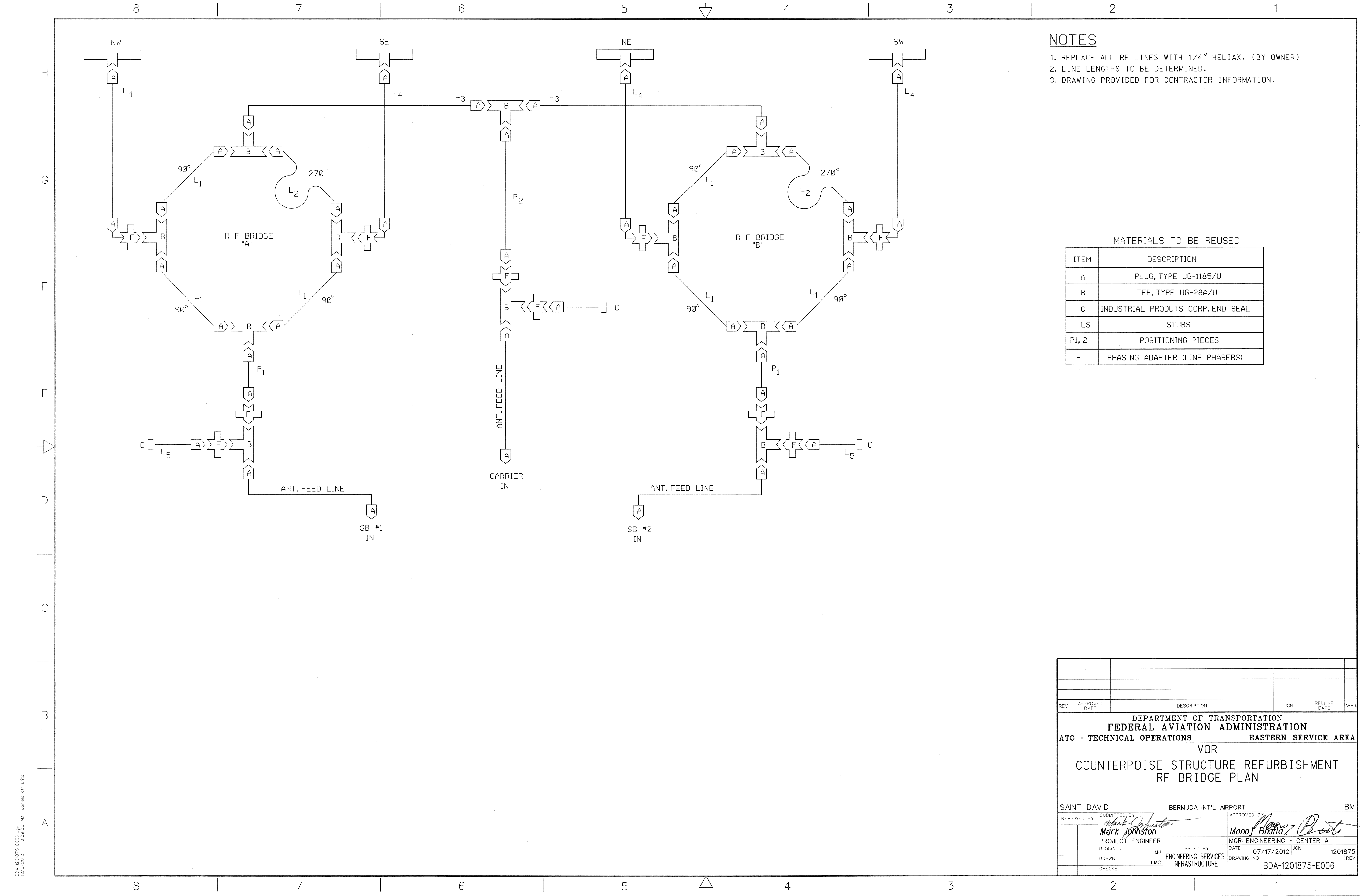


CABLE TRAY AND EQUIPMENT RACK LAYOUT
(LOCATION: EQUIPMENT ROOM) - NIC

4
E005

NOT TO SCALE

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA VOR COUNTERPOISE STRUCTURE REFURBISHMENT EQUIPMENT BUILDING DETAILS					
SAINT DAVID		BERMUDA INT'L AIRPORT		BM	
REVIEWED BY	SUBMITTED BY <i>Mark Johnston</i> Mark Johnston		APPROVED BY <i>Manoj Bhatia</i> Manoj Bhatia		
	PROJECT ENGINEER		MGR: ENGINEERING - CENTER A		
	DESIGNED	MJ	ISSUED BY	DATE	JCN
	DRAWN	LMC	ENGINEERING SERVICES INFRASTRUCTURE	07/17/2012	1201875
	CHECKED			DRAWING NO	REV
				BDA-1201875-E005	



NOTES

1. REPLACE ALL RF LINES WITH 1/4" HELIAX. (BY OWNER)
2. LINE LENGTHS TO BE DETERMINED.
3. DRAWING PROVIDED FOR CONTRACTOR INFORMATION.

MATERIALS TO BE REUSED

ITEM	DESCRIPTION
A	PLUG, TYPE UG-1185/U
B	TEE, TYPE UG-28A/U
C	INDUSTRIAL PRODUTS CORP. END SEAL
LS	STUBS
P1, 2	POSITIONING PIECES
F	PHASING ADAPTER (LINE PHASERS)

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA					
VOR COUNTERPOISE STRUCTURE REFURBISHMENT RF BRIDGE PLAN					
SAINT DAVID		BERMUDA INT'L AIRPORT		BM	
REVIEWED BY	SUBMITTED BY <i>Mark Johnston</i> Mark Johnston		APPROVED BY <i>Manoj Bhatia</i> Manoj Bhatia		
	PROJECT ENGINEER		MGR: ENGINEERING - CENTER A		
	DESIGNED MJ	ISSUED BY ENGINEERING SERVICES		DATE 07/17/2012	JCN 1201875
	DRAWN LMC	INFRASTRUCTURE		DRAWING NO BDA-1201875-E006	REV
	CHECKED				

ISSUED FOR: CONSTRUCTION